

WorldBrain 2.0

Embodied Spatial Intelligence

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Worldbrains Foundation & X Brain Inc.

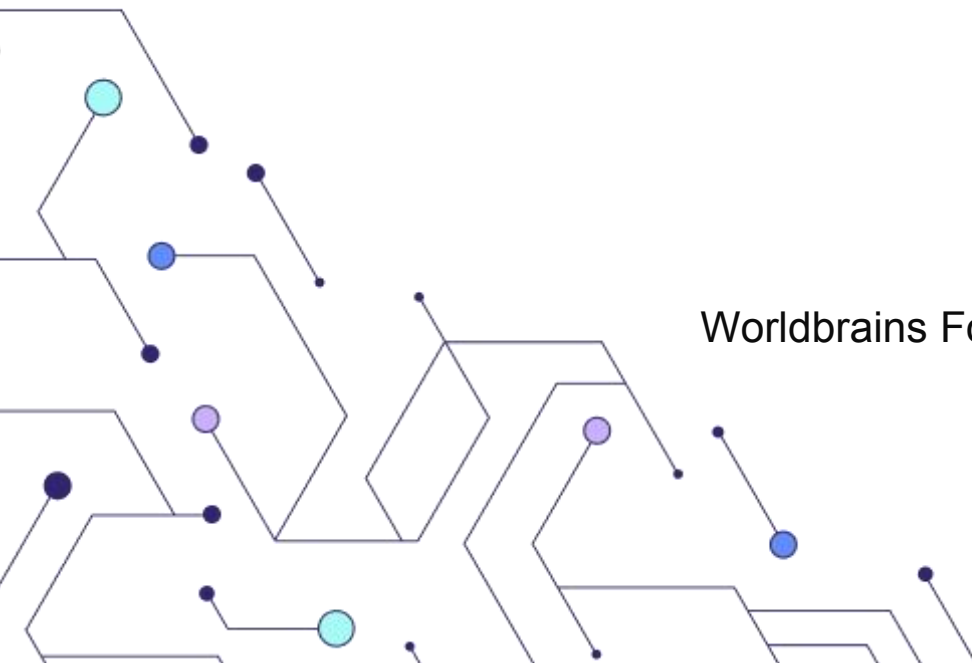


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Summary

Since the dawn of humanity, we have been bound to our carbon-based bodies, moving forward as if the gears of fate turn invisibly, weaving each moment in our life journey. Is the carbon-based body an inevitable part of life, or an illusion under a higher order? Perhaps ancient myths already hold the keys to breaking this limitation. These stories, like the distant glow of ancient civilizations, illuminate humanity's primal desire to transcend time and space. The gods of those tales may not only be imagined creators but echoes of distant memories.

If humanity's carbon-based existence cannot break the shackles of time and space, can silicon-based embodiments stand out and carry the ancient dreams beyond the horizon? Artificial intelligence may be able to transcend the boundaries of the physical and virtual, becoming the new carrier of myths. Under the vastness of the starry sky, every gaze from humanity is a silent inquiry into the infinite universe and our own existence.

WorldBrain's ultimate philosophy is to lead humanity to open the doors to new dimensions, creating a world where silicon-based life and carbon-based life coexist. WorldBrain, has built a powerful AI brain (the silicon brain) using the WorldModel framework. Data exchange between the silicon brain and the human brain is now within reach, with the silicon brain poised to become humanity's second brain and collective consciousness. WorldBrain's ultimate plan is about to unfold.



[I] The Second Brain in Human History

Knotted Records and Cave Paintings:

The human brain has limited storage and is prone to loss. Knotting ropes and creating cave paintings were the simplest ways to fix information, enabling the transmission of thoughts and knowledge across time and space—this is the basic principle of the second brain.

Writing and Books:

These vastly increased the volume of recorded information.

Abacus and Computers:

These compensate for human brain limitations in areas such as calculation and storage.

The Internet and AI:

Gradually, information integration, analysis, planning, and usage no longer depend solely on the human brain.

WorldBrain's ultimate goal is to evolve into a "Second Brain" based on silicon or other forms, constructing a high-dimensional new world.

[II] WorldBrain's Comprehensive Plan

2.1 Integration of AI and Embodied Intelligence:

We aim to develop intelligent systems by combining advanced algorithms with the sensory and motor capabilities of physical entities. Embodied devices, such as robots, collect visual, auditory, and tactile data, which are then processed by AI to optimize decision-making abilities. For instance, AI can guide robots to recognize objects and enhance their navigation capabilities. Furthermore, embodied intelligence offers AI a real-world experimental platform to verify theoretical models and execute complex tasks. In human-robot collaboration, embodied intelligence acts as an assistant, while AI

provides intelligent decision-making, ensuring smoother interaction. This approach not only increases efficiency but also lays the foundation for a future intelligent society.

2.2 Integration of Humanity, AI, and the Virtual Universe:

Humanity's integration with AI and the virtual universe is moving toward a symbiotic future. AI not only enhances human efficiency in complex tasks and data processing but also expands perception and cognitive abilities through neural interfaces and cognitive computing systems. With the rise of virtual universes (like the Metaverse), the boundary between the physical and virtual worlds is blurred. AI's immense computational power allows humanity to surpass physical reality and achieve limitless possibilities in the virtual world, establishing a new intelligent civilization.

2.3 Collective Consciousness:

WorldBrain could form a collective consciousness, where individuals share and synchronize their thoughts through networks, greatly enhancing collective decision-making and innovation.

2.4 Digital Identity and Multiple Lives:

Humans may possess multiple digital identities in the virtual world, each with its own independent life, career, and social relationships. The line between virtual and real will blur, and many may choose to live primarily in the virtual world, with the physical world serving only as a place for bodily maintenance and infrastructure.

2.5 Consciousness Uploading and Immortality:

The final form of WorldBrain could enable the full digitalization of human consciousness. Thoughts, memories, and personalities could be uploaded to the cloud, freeing humans from biological limitations and achieving digital immortality. Individuals can choose to exist in different carriers or even multiple carriers simultaneously, with the body no longer being the sole form of existence.

2.6 Remote Presence:

Through WorldBrain, consciousness can remotely control multiple bodily carriers or robots, exploring and performing activities in distant locations without personal presence. Consciousness can exist on both Earth and beyond simultaneously, enabling multi-experiences.

2.7 Expansion of Time Consciousness:

WorldBrain may allow human to transcend linear time and enter a "hyper-time" state,



where past, present, and future can be experienced simultaneously. Individuals and collectives can freely move through time, exploring different historical paths or future possibilities. The creation and experience of alternate histories and parallel developments could become a reality. As time's multiplicity is understood and mastered, humanity might create and explore different historical branches. For instance, on parallel timelines, humanity might choose a different path and experience its outcome. Entire civilizations could overcome the limitations of a single history and coexist across multiple histories. The WorldModel framework could back up and recreate world history details.

[III] Integration of Large World Models and Embodied Intelligence

In the AI field, the integration of Large World Models with embodied and spatial intelligence is at the cutting edge of current research. With the success of large-scale pre-trained models—especially in natural language processing (NLP) and computer vision (CV)—researchers have come to realize that these large world models can handle not only abstract symbolic tasks but also demonstrate intelligent behavior in the physical world. However, achieving this requires incorporating embodied intelligence. Embodied intelligence emphasizes AI's ability to interact with the physical world, involving perception, motion, planning, and decision-making. By combining large world models with embodied intelligence, AI can not only understand complex environments but also enhance its perception and action strategies through physical interaction.

To push the boundaries of "Large World Models" research, WorldBrain has formed close collaborations with 1X Technologies AS, a leader in embodied intelligence, and World Labs Technologies, which focuses on spatial intelligence research. These partnerships aim to explore the intricate interaction between embodied intelligence and the environment, ultimately developing intelligent systems capable of fully understanding the physical world. The "Large World Model" is not just a physical simulation of the environment; it is a comprehensive cognitive framework for understanding complex rules, dynamic changes, and human social behaviors.

- **Comprehensive Representation of the World:**

This includes not only physical attributes (such as the shape, texture, and motion laws of objects) but also latent variables (such as causality, intention, and behavioral patterns).

- **Embodied Interaction Capabilities:**

By enhancing learning through physical interaction with the environment, AI no longer solely relies on symbolic systems or pure perception data. Instead, it establishes



relationships with the environment through actions, driving iterative evolution of intelligence.

OpenAI's ChatGPT models have demonstrated the power of large-scale pre-training in natural language processing, but for embodied intelligence, relying solely on language or visual data is insufficient to handle the complexity of the physical world. The core of large world models is the ability to combine natural language, visual information, and operations in physical environment through self-supervised learning and multimodal pre-trained models. This allows AI to autonomously learn the rules of the world from massive data without needing manual labels. Applying self-supervised learning to embodied intelligence scenarios enables AI to adjust its cognitive models through physical interaction and sensor feedback. For example, by having robots manipulate different objects, AI can gradually learn their functions, uses, and physical properties. This learning mode allows AI to mimic human "experimental learning," continuously optimizing its cognition through exploration and experimentation.

3.1 Multimodal Integration and Environmental Perception

World Labs' leading research in spatial intelligence and vision provides a solid foundation for this collaboration. Multimodal integration is key to realizing large world models, as AI needs to process visual, auditory, tactile, and other sensory information simultaneously and integrate them within dynamic environments. The embodied robot platform from 1X Technologies gives AI the ability to operate in the physical world, allowing robots not only to recognize and perceive their surroundings through vision but also to understand physical properties like reaction force, friction, and elasticity through touch and movement.

In multimodal interactions, the key is establishing a feedback loop from perception to action. For example, robots must understand how the force of their arms affects an object's movement, while visual information helps them assess the object's characteristics. Temporal consistency between visual and tactile signals, spatial precision matching, and the coordinated learning of different modalities are all crucial in this process.

3.2 Embodied Reinforcement Learning and Real-Time Simulation

Reinforcement learning (RL) in dynamic, uncertain environments is central to embodied intelligence research. Traditional RL is often conducted in virtual simulations, which do not fully align with real-world conditions. The embodied robots from 1X Technologies accelerate RL research by enabling real-time interaction in the physical world. Through various operational tasks and interaction scenarios, AI continuously adjusts its behavior strategies in real world, achieving efficient self-learning. For instance, in complex logistics scenarios, embodied robots must visually identify goods and adjust their routes in real time to optimize handling and assembly efficiency. This requires AI to make real-time



decisions by combining visual, tactile, and other multimodal information in a dynamically changing environment.

3.3 Evolution from Embodied Intelligence to World Models

Embodied intelligence emphasizes physical presence in intelligence development, similar to how humans learn through interaction with the environment. It allows AI to learn the laws of the physical world through exploration and trial-and-error like infants. Early embodied intelligence represents the close relationship between AI and its environment, relying on feedback loops to gradually enhance intelligence. With advancements in neural networks, big data, and computational power, AI is beginning to build world models. The core of world models is that AI no longer depends solely on immediate perception and interaction but can construct an internal model of the environment. This model simulates the real world through mathematical and cognitive structures and predicts future possibilities. AI, equipped with an internal world model, can perform complex reasoning, planning, and decision-making without relying on immediate inputs. This enables AI to achieve deeper levels of understanding from merely reacting or imitating to fostering autonomous creative thinking through abstract comprehension of the world.

World Models signify AI's evolution from reactive systems to predictive systems, enabling AI to reason about cause and effect and simulate future scenarios. This not only enhances AI's adaptability and flexibility but also opens the door for the transition from task-specific AI to a general one. By combining embodied intelligence with world models, AI could eventually achieve human-like intelligence, capable of operating in the physical world while possessing deep cognitive abilities to understand and change it.

[IV] Ecosystem of WorldBrain, Embodiment, and the Virtual Universe

The integration of WorldBrain's WorldModel, embodied intelligence, and the virtual universe (spatial intelligence) is more than a combination of technologies; it is a new model for building an ecosystem. This fusion brings smarter, more personalized virtual experiences and facilitates society, culture, and economy on multiple levels. Ultimately, WorldBrain will enable human consciousness to be uploaded and be the template to unify intangible embodiment (virtual digital humans) and tangible embodiment (users' mobile terminals). The interaction between physical data (internet data) and cognitive data (human brain data) will make WorldBrain the cornerstone of constructing the virtual



universe.

4.1 AI-Driven Virtual Economy Ecosystem

A key aspect of the virtual universe is the virtual economy. Traditionally, the virtual economy relies on human creativity and time investment, but large world models and embodied intelligence can transform this model. Besides generating content, AI also participates in economic activities. For instance, large world models can act as virtual architects, automatically generating building designs, cultural symbols, and city plans, while embodied intelligence equips virtual characters with the ability to perform tasks, enabling them to engage in work, entertainment, and education. These AI agents, with adaptive learning capabilities, can participate in complex economic activities such as running virtual stores, managing virtual assets, or providing personalized services. Consequently, the virtual economy will evolve from a human-driven system into a multi-dimensional one where humans and AI collaborate, significantly expanding its scope and complexity.

4.2 Training and Application of Embodied Intelligence in Virtual Environments

Embodied intelligence revolves around AI's ability to interact with both physical and virtual environments to perform tasks. The virtual universe provides vast, controlled environments ideal for training embodied intelligence models. These virtual environments can simulate complex physical laws and can be customized to meet specific task needs, helping AI agents learn in a safe and risk-free setting.

For example, virtual robots can learn advanced operational skills such as virtual assembly, mechanical repairs, or even medical surgery simulations within the virtual universe. These skills, optimized in the virtual environment, can later be transferred to physical robots, creating a closed-loop application from virtual training to real-world implementation. This approach not only reduces training costs but also prevents equipment wear and resource consumption in the physical world.

4.3 Multi-Dimensional Collaboration Platform: A New Mode of Cross-Dimensional Interaction

The virtual universe features a unique environment where virtual and real worlds intertwine. The combination of large world models and embodied intelligence breaks down the barriers between these worlds, creating a multi-dimensional collaboration platform. For instance, in remote work, virtual collaboration will no longer be limited to human participants. AI agents equipped with embodied intelligence can provide real-time decision support or perform tasks. Imagine a complex construction project where AI



agents can not only generate design blueprints but also operate construction machinery in the virtual site to adjust the project based on real-time data. Human designers and AI agents can collaborate in the same virtual space, with each participant having full control and perception of the virtual physical environment.

4.4 Cross-Platform Connectivity and Seamless Experiences in the Virtual Universe

As the virtual universe ecosystem expands, seamless connectivity and consistent experiences across platforms become critical. The introduction of large world models and embodied intelligence can significantly enhance cross-platform connectivity. Large world models facilitate knowledge sharing and data transmission between different virtual platforms, while embodied intelligence ensures that virtual characters exhibit consistent behavior across platforms. Imagine a cross-platform virtual world where a user's virtual identity and assets can seamlessly switch between different virtual universes, with AI agents using embodied intelligence to maintain consistent actions across platforms. For instance, a character created on one platform can retain the same behavior and attributes on another, while automatically adapting to new environments. Achieving such a seamless experience will greatly increase user engagement and the vitality of the virtual universe ecosystem.

4.5 Social and Cultural Simulations Based on Large World Models

The virtual universe is not just a platform for entertainment or commerce, it is also a virtual carrier for social and cultural activities. Supported by large world models, AI can simulate and construct complex social structures, cultural systems, and interaction patterns. For example, AI residents in a virtual city, equipped with embodied intelligence, can perform various tasks in the virtual environment. They can also generate complex social behaviors and cultural activities based on the knowledge embedded in the large world models, even establishing rules and laws for the virtual society.

4.6 AI-Driven Data Ethics and Privacy Management

As the virtual universe evolves, the issues of data privacy and ethics become increasingly complex. The integration of large world models and embodied intelligence will not only address technical challenges but also introduce smarter data management methods through autonomous decision-making mechanisms. For instance, AI agents can autonomously manage user behavior data within the virtual world, monitoring data usage in real-time and proactively optimizing privacy protection measures to prevent leaks or misuse. These AI agents can act as privacy protection barriers between users and the virtual world, ensuring that data usage complies with ethical standards. Moreover, based



on users' preferences, they can handle privacy authorizations across different virtual universe service providers. This intelligent privacy protection system can ease user concerns about virtual world security, promoting the healthy development of the virtual universe ecosystem.

The integration of WorldBrain, embodied intelligence, and the virtual universe is paving the way for a future where the virtual and real worlds intertwine. This fusion will provide more personalized and intelligent user experiences while improving the efficiency and fairness of virtual economies and social governance through complex simulations of social and economic structures. In this new ecosystem, AI is not just a "tool" but also a "creator" and "overseer," driving the virtual world towards greater intelligence and autonomy.

[V] Collaboration between WorldBrain, 1X Technologies, and World Labs

5.1 Integration While Focusing on Specialized Fields

Under the collaborative framework of WorldBrain, 1X Technologies, and World Labs, each party can leverage its specialized areas to integrate and collaborate, pushing forward rapid advancements in intelligent technologies, particularly in embodied intelligence, spatial models, and neuroscience.

WorldBrain, as the core research platform for neuroscience and intelligent technology, is committed to developing advanced AI systems that simulate and extend the capabilities of the human brain. Its focus is on creating intelligent systems capable of learning, self-improvement, and abstract reasoning. By integrating deep neural networks with brain-machine interfaces, WorldBrain aims to create a "second brain." This technology provides AI with a cognitive structure similar to that of humans, enabling seamless switching between the physical world and virtual space, thereby promoting the integration of embodied intelligence and world models.

1X Technologies focuses on embedding intelligent systems into humanoid robots through embodied intelligence, allowing robots to interact with the real world through physical movements. By utilizing WorldBrain's neuroscience-based intelligent systems, 1X Technologies can significantly enhance the intelligence of its robots, equipping them with stronger self-learning and adaptability to the environment. WorldBrain's intelligent system provides the powerful computing and reasoning abilities required for embodied



intelligence, driving 1X Technologies' robots from completing specific tasks to learning and adapting to complex environments in the real world. This opens up new commercial applications for embodied AI, from industrial automation to everyday service robots, with vast market potential.

World Labs focuses on the intelligence of physical and virtual spaces. Its research on spatial models blurs the distinction between the real and virtual worlds. By collaborating with WorldBrain, World Labs can apply its findings into AI systems, making the integration of physical and virtual spaces smarter. This will enhance the spatial awareness and operational capabilities of embodied robots and virtual AI, supporting seamless transitions between virtual simulations and real-world automated tasks.

5.2 Collaboration between World Labs and WorldBrain: Seamless Connection of Virtual and Physical Spatial Intelligence

While both World Labs and WorldBrain research large world models, they focus on slightly different areas, yet both aim to enhance the interaction and integration between physical and virtual spaces through intelligent systems. By working with WorldBrain's AI intelligent systems, World Labs can significantly enhance the intelligence of its spatial models in the following ways:

- **Dynamic Virtual Space Modeling:** Combining WorldBrain's computational power and deep learning technology, World Labs can create more intelligent and realistic virtual space models. These models not only simulate complex physical laws in the virtual world but also adapt in real-time to user operations, making the interaction between the virtual spaces and physical worlds more natural.
- **Integration of Augmented Reality (AR) and Virtual Reality (VR):** Using WorldBrain's neural system, World Labs can achieve a deeper connection between the real and virtual spaces. For example, behaviors and events in the real world can be instantly mirrored in virtual space, or results from simulations in the virtual space can influence operations in the real world. The application of these intelligent spatial models will revolutionize industries such as industrial design, urban planning, entertainment, and education.

5.3 1X Technologies' Demand for WorldBrain's Intelligent System: Accelerating the Evolution of Embodied Intelligence

1X Technologies' procurement of WorldBrain's neuroscience-based intelligent services not only brings benefits to WorldBrain's ecosystem and users but also offers more incentives for users participating in the evolution of embodied intelligence. 1X



Technologies, with a focus on embodied intelligence, requires advanced cognitive abilities for its humanoid robots to adapt to the complexities of the physical world. 1X Technologies can significantly improve its robots in the following ways:

- **Endowing Robots with Self-Learning and Adaptation Capabilities:** By leveraging WorldBrain's intelligent systems, 1X Technologies' robots can simulate human learning patterns in the physical world, continuously enhancing their intelligence. This "second brain" allows robots to operate independently across various task scenarios, increasing their value in industries such as manufacturing, healthcare, and home services.
- **Optimizing Robot Perception and Decision-Making:** WorldBrain's AI systems excel in processing and analyzing vast amounts of data and optimizing the robots' perception and decision-making through embodied intelligence feedback mechanisms. This allows robots to respond more effectively and quickly to changes in their environment, improving their work efficiency and expanding their application scenarios from single-task to complex, dynamic environments.

1X Technologies' comprehensive procurement of WorldBrain's services gives its intelligent robots not only a technological advantage but also a token-based incentive mechanism. Users can stake WBC tokens and share the dividends from future technological advancements.

5.4 Business Ecosystem and Opportunities for User Participation

Embodied AI represents the intelligent activation of WorldBrain's embodiments. All cortical regions upgraded through the metabolism of WBC tokens can activate embodiment, and users with upgraded cortical regions will enjoy more benefits from the ecosystem's future development. In the future, as 1X Technologies, World Labs, and other institutions procure WorldBrain's system services in large quantities, 10% of WBC tokens will be metabolized, and 50% will be distributed to all users with upgraded cortical regions and embodiment. WorldBrain will continue to create more opportunities for ecosystem users to participate and grow, making each participant a direct beneficiary of the project. Users can also choose to stake their WBC tokens with 1X Technologies to earn interest. This model ensures token liquidity while providing users with a stable return mechanism. Over time, the ecosystem will gradually evolve into a DAO (Decentralized Autonomous Organization), where WorldBrain becomes decentralized, and every DAO participant becomes a direct beneficiary of the ecosystem.

In summary, the involvement of 1X Technologies and World Labs not only drives the evolution of intelligent technologies but also injects new momentum into the development of future intelligent ecosystems. This promotes the deep integration of physical and virtual spaces, achieving comprehensive collaboration and progress from embodied intelligence



to virtual space intelligence.

[VI] WorldBrain Embodiment Activation and Rights

In the future virtual universe, each cortical region will correspond to a unique intelligent embodied ID. Each embodiment ID is a distinct identity (the user's digital embodied brain is based on the WorldBrain AI brain), and this digital ID serves as both a personal identifier in the virtual universe and a virtual bank card. These IDs represent the original inhabitants of the virtual universe and form the first virtual embodiments of WorldBrain.

There are two types of embodiment IDs: basic embodiment and intelligent embodiment. There is only one way to obtain an embodiment ID—using WBC to metabolize into a cortical region. Only after becoming a cortical region can the embodiment be activated, at which point a unique ID will be assigned.

Conditions for Obtaining Brain Regions and Embodiment IDs:

Cortical Region: (Neurotransmitter count exceeds 1 million NTs, over 20,000 active users in the neural network, and directly refer over 2,000 active users)

Basic Embodiment: (Neurotransmitter count exceeds 10 million NTs, over 200,000 active users in the neural network, and directly refer over 20,000 active users)

Intelligent Embodiment: (Neurotransmitter count exceeds 100 million NTs, over 2 million active users in the neural network, and directly refer over 200,000 active users)

Rights and Benefits of Brain Regions and Embodiments:

1. Embodiment IDs can be sold/transferred on secondary markets.
2. Free access to WorldBrain Chat.
3. Ecosystem dividends bound to the embodiment ID account.
4. 50% of the total profits generated from WorldBrain service procurement will be distributed as dividends to all embodiment holders.
5. 100% of DAO investment returns will be distributed along with governance rights.



[VII] WorldBrain 2.0 Ecosystem Structure

WorldBrain 2.0 will achieve the intelligent activation of embodiments, using large world models and embodied intelligence to drive AI development. AI agents will interact seamlessly across virtual and real-world environments, driving upgrades in virtual economies, cross-platform collaboration, and personalized services, providing users with more natural and immersive experiences.

The development of the WorldBrain 2.0 primary ecosystem includes the following:

7.1 AI Virtual Museum:

WorldBrain will issue NFTs based on special events or ecosystem needs. Each NFT holder can display, collect, or sell their NFTs in the virtual museum.

7.2 AI DeFi:

WorldBrain will establish an AI bank where all ecosystem users and tokens from third-party ecosystems can be exchanged. Users can also utilize their WBC and embodiment tokens for lending or staking through blockchain, to earn higher profits.

7.3 DAO Fund:

WorldBrain will establish a decentralized DAO fund, where the top-ranking projects each quarter will be selected for investment. Future returns from the fund will be shared by the DAO participants.

7.4 AI Labs:

An AI laboratory will be established where all users or third-party participants interested or skilled in AI research can collaborate.

7.5 AI Marketplace:

Ecosystem users can buy and sell AI products in this marketplace, such as AI assistants, WorldBrain chat services, skins, and other intelligent products. Users can also apply to become vendors to sell their AI products.

7.6 AI Virtual Ecosystem Development:

WorldBrain 2.0 will gradually open API access, providing services to third-party

ecosystems that must hold super embodiment status to participate. In the future, third-party users with super-embodiments will receive a new type of token through the WorldBrain 2.0 API.

[VIII] Future Outlook of the WorldBrain Ecosystem

The future of WorldBrain is incredibly exciting. As a leader in AI and neuroscience, it is collaborating closely with 1X Technologies and World Labs to build an intelligent ecosystem that integrates the virtual and physical worlds. This ecosystem will not only revolutionize traditional virtual experiences but also redefine the relationship between humans and technology, presenting an entirely new vision of an intelligent world.

In the future, intelligent virtual spaces will not just provide visual immersive experiences but will evolve into dynamic interactive environments powered by embodied AI. Through self-learning and evolution, AI agents will engage in deep interactions with humans, grow within the virtual world, and independently perform complex tasks. In the virtual world, users will no longer be mere spectators but will fully integrate into it, interacting with virtual spaces through embodied robots. This deep level of interaction will break the boundaries between the physical and virtual, turning the virtual space into a domain where users can truly "reside."

Research into large world models will further drive this transformation. Through brain-machine interface technology, WorldBrain will enable seamless connections between human consciousness and AI agents. Users will be able to control virtual agents with their thoughts, experiencing sensory stimuli and immersion beyond physiological limits. Every scenario and task in the virtual world will become more vivid and realistic. With this technology, human thinking will expand into a broader digital space, unleashing unprecedented levels of self-awareness and expression.

Additionally, the WorldBrain ecosystem will extend beyond entertainment and virtual socialization into education, healthcare, and scientific research. Virtual classrooms will provide customized learning experiences, AI doctors will offer remote medical support to rural areas via embodied robots, and intelligent laboratories will give highly flexible research tools for scientists. Whether in virtual architecture, artistic creation, or complex scientific simulations, intelligent virtual spaces will inspire new breakthroughs across industries.

Looking ahead, WorldBrain is not just building a virtual space but is reshaping the way we live, work, and create in an intelligent world. It will serve as the intersection of technology

and human wisdom, bringing us into a new era where virtual and real worlds coexist, and everything is intelligent. In this new ecosystem, humans and AI will evolve together in unprecedented ways, ushering in the brilliant future of virtual intelligence civilization.