METROPOLIS

WHITE PAPER

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⫼ETROPOLIS

Metropolis is a 360° curated universe that blends commerce, gaming, and experiences that span both digital & physical worlds. In a rapidly evolving digital landscape, the concept of the metaverse has captured the imagination of billions. Our vision, to create an aesthetic-forward, next-generation cultural destination that seamlessly integrates commerce, culture, and entertainment.

Our mission is rooted in democratizing access to the metaverse. Metropolis stands as a beacon of inclusivity, welcoming all who seek to explore, create, and connect. It is not merely a destination for the privileged few; rather, it is a dynamic community where diversity is celebrated, and every voice is valued. Whether you're a seasoned veteran or a newcomer to the metaverse, there is a place for you within the vibrant streets of Metropolis.

Metropolis embraces the profound significance of culture within the metaverse, fostering a diverse and vibrant community that champions creativity in all its forms. From the expressive realms of art and music to the captivating narratives of fashion and storytelling, Metropolis serves as an expansive canvas where cultural expression flourishes unrestricted. Our commitment to community and collaboration extends beyond mere engagement; it's about forging connections and co-creating experiences that shape the future of our shared virtual landscape.

Our community is key, serving as the vibrant heartbeat of Metropolis. However, our vision extends far beyond individual users to include brands eager to embrace the metaverse revolution. Metropolis offers a robust platform where brands can authentically connect with their audience, leveraging our meticulously crafted and continuously evolving ecosystem. Here, brands have the opportunity to curate immersive experiences tailored to their target demographics, showcasing products and services in innovative and engaging ways that resonate with our diverse community.

Comprised of two core components, Metropolis World and Metropolis X, we aim to pioneer a metaverse that transcends boundaries, fosters inclusivity, and empowers individuals and brands alike. We aspire to lead the way in the evolution of the metaverse, shaping a future where commerce, culture, and entertainment are redefined in ways that inspire and enrich lives.

Metropolis World provides a dynamic environment where users can explore, create, and connect across a diverse array of digital and physical experiences. From immersive virtual landscapes to interactive social hubs, our expansive lore, and engaging games, Metropolis World serves as a canvas for endless possibilities, encouraging collaboration and creativity.

Meanwhile, Metropolis X offers a gateway for brands and creators to engage with audiences in innovative ways. With tools and resources designed to facilitate authentic connections, exclusive products, content, and experiences, Metropolis X empowers brands to unlock new avenues for growth and engagement in the metaverse landscape.

Together, these components form the foundation of our vision for a metaverse that goes beyond entertainment, offering a platform for meaningful interaction, cultural exchange, and economic opportunity. By breaking down barriers and embracing diversity, we strive to create a space where everyone has the chance to thrive and contribute to the shaping of a brighter digital future.

The metaverse is evolving, and Metropolis is at the forefront, sculpting the future of commerce, culture, and entertainment. So, let's dive in and understand the Metropolis Universe, from our overarching vision to the concrete blocks which form the foundation of our ecosystem and support the structure of our World. Here, you'll explore Properties, Passports, the Collab Marketplace and Avatar Builder (Metropolis X), Quests and Games.

WELCOME TO METROPOLIS!

METROPOLIS WORLD: YOUR HUB FOR VIRTUAL LIFE AND ENGAGEMENT

Step into a vibrant Metropolis, where gaming, shopping, and socializing seamlessly converge within a dynamic community, all enriched by a tapestry of storytelling. In this world, your avatar not only serves as the gateway to unlocking special events, games, quests, and entertainment experiences but also immerses you in an evolving narrative crafted by hundreds of artists, creators, and brands. Each interaction weaves together the rich lore of the city and its elemental realms, making your every action part of a larger, ongoing story. As the capital city of the metaverse, with five additional elemental cities in development, Metropolis World merges cutting-edge digital innovation with immersive storytelling to stand at the forefront of metaverse experiences.

ELEMENTAL CITIES: RISE FROM THE ASHES

After six asteroids struck Earth, civilization collapsed. From the ashes, new life arose, forming six cities, each harnessing a unique elemental force: Air, Fire, Water, Earth, Space and Pixel. Linked yet distinct, these elements empower their inhabitants with extraordinary abilities.

CITIES AND PROPERTIES

THE CITY OF CELESTE

- 9 Districts

- 27 Neighborhoods

- 500+ Unique Properties

When we set out to design the property NFT's, our aim was to create a structure that mimics the real-life experience of owning property. Essentially, this meant that while the external structure of the buildings would be fixed, owners should have the freedom to personalize the interior as much as they desired. Recognizing that NFT's serve as certificates of ownership, we envisioned a way for the property itself to own the items within it, allowing for the property to be traded as a single unit. This approach provides owners with the flexibility to change and update interiors according to their preferences.

To achieve this, we began with a standard ERC721 contract and modified it to suit our needs. We added functionality for the property to own other NFT's, which would act as interior items. These items are sent to the smart contract and held against the property.

Whichever wallet controls the individual property would then control all the NFT's within that property, and the entire set could be traded as a single item. Additionally, items added to the property could be removed by the property owner and would then act as independent NFT's. Maintaining metadata to reflect this transfer of assets in and out of the property was crucial. To accomplish this, we created a set of functions within the smart contract to generate metadata on the fly, ensuring it remains up-to-date without reliance on external chains systems.

PROPERTY OWNERS

As one of the OG owners within the genesis city, The City of Celeste, you hold a pivotal role in shaping the future of Metropolis World. We are working on developing fully functional 3D environments for Properties to offer an immersive experience that sets a new standard in the metaverse.

As a property owner, you possess unique privileges and opportunities that extend far beyond mere ownership. Your property serves as a canvas for creativity and expression, a platform where your vision can take flight and your dreams can become reality. **Here's how:**

HOST QUESTS AND EVENTS

Imagine transforming your space into a bustling hub of activity, where adventurers from all corners of the metaverse gather to embark on epic quests and unforgettable experiences. As a property owner, you have the power to curate events that captivate the imagination and leave a lasting impact on those who wish to venture within your domain.

EARN REVENUE AND GAIN RECOGNITION

Your property isn't just a digital asset - it's a valuable commodity within the metaverse economy. By hosting popular events and activities, you can attract visitors and generate revenue based on your property's popularity and activity. As your reputation grows, so too does your influence within the community, opening doors to new opportunities and collaborations.

CUSTOMIZE YOUR INTERIOR HANGOUT AREAS

Step inside your property and enter a world of endless possibilities. With the ability to customize interior spaces, you can design your hangout areas to reflect your personality, interests, and style. Whether it's creating a cozy lounge for intimate gatherings, a state-ofthe-art gaming room for epic showdowns, or a virtual gallery to showcase your artwork, the choice is yours.

OWN YOUR SPACE: ELEVATE YOUR DIGITAL PRESENCE

As a property owner, you have the opportunity to elevate your digital presence and make a lasting impression on visitors from around the world. Transform your property into a dynamic hub of activity where your personality and brand come to life in breathtaking detail.
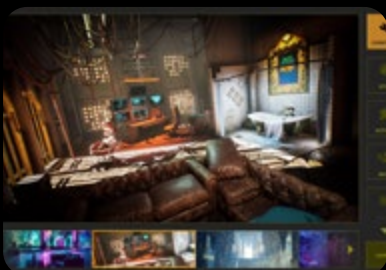

HOST EVENTS: From live music performances and art exhibitions to exclusive VIP parties, your property becomes the ultimate venue for entertainment and social gatherings.

STREAM CONTENT: Share your passions and expertise with the world by streaming live content directly from your property. Whether it's hosting virtual workshops, conducting interviews, or showcasing your talents, the possibilities are endless.

PLAY GAMES: Turn your property into a gaming paradise where friends and visitors can come together to play and compete in a variety of engaging experiences.

SOCIALIZE WITH FRIENDS: Invite friends and fellow enthusiasts to hang out in your virtual space, chat, and explore together in a relaxed and welcoming environment.

CUSTOMIZE INTERIOR SPACES WITH AI INTEGRATION: Harness the power of AI to create personalized and interactive experiences within your property. From intelligent virtual assistants to dynamic lighting and environmental effects, AI integration adds a new dimension of immersion and engagement to your space.gatherings.

AS A PROPERTY OWNER, YOU'RE NOT JUST SHAPING THE FUTURE OF THE METAVERSE - YOU'LL BE CREATING A LEGACY THAT WILL ENDURE FOR GENERATIONS TO COME.

EXPERIENCES

In Metropolis World, we aim to redefine the boundaries between the digital and physical realms, offering a revolutionary fusion of experiences that captivate the senses and engage the mind.

SOCIAL HUBS

In Metropolis World, the vibrant social hubs serve as bustling meeting points where users from around the globe converge to connect, interact, and forge new friendships. These interactive gathering places offer a dynamic environment where like-minded individuals can come together, participate in various activities, and collaborate on projects, fostering a rich culture of engagement and creativity within the metaverse.

Within these bustling hubs, users have access to a wide array of interactive features and engaging experiences that cater to diverse interests and preferences. From live music performances and art exhibitions to virtual book clubs and discussion forums, there's always something exciting happening in our social spaces. These activities provide opportunities for users to not only engage with entertainment but also to share ideas, exchange knowledge, and collectively shape the virtual landscape.

Moreover, the social hubs are more than just spaces for leisure; they are incubators of collaboration and innovation. Users can collaborate on creative projects, share their expertise, and collectively contribute to the development of the metaverse. Whether it's cocreating immersive experiences, brainstorming new concepts, or organizing community events, the social hubs empower users to harness their collective creativity and drive positive change within the community.

Beyond fostering collaboration and creativity, the social hubs play a vital role in nurturing a sense of belonging and community within Metropolis World. By providing a welcoming environment where users can connect with others who share their interests and passions, these hubs create opportunities for meaningful connections and lasting friendships to flourish. Whether you're seeking companionship on your virtual adventures, looking to unwind after a day of exploration, or simply craving human interaction in the digital realm, our social hubs offer the perfect setting for building meaningful relationships and fostering a sense of belonging.

In essence, the social hubs of Metropolis World are more than just digital spaces; they are vibrant ecosystems where connection, collaboration, and creativity intersect to create a dynamic and thriving community. With a plethora of interactive features, engaging activities, and opportunities for collaboration, these hubs serve as the beating heart of the metaverse, driving innovation, fostering friendships, and enriching the user experience for all who enter their virtual doors.

DIGITAL AND PHYSICAL EXPERIENCES

Drawing inspiration from Apple Vision Pro, we are blending the immersive aspects of 3D experiences with the accessibility of 2D and 2.5D digital interfaces to create a functional metaverse for everyday use.

Our primary goal is to ensure that navigation through Metropolis World is effortless, facilitated by a concise 2.5D interface showcasing ongoing parties and hangouts, a leaderboard highlighting the most active users, and quest logs from partners offering opportunities to win real-world goods and experiences. This layered integration guarantees that users can seamlessly navigate and connect within the city, effortlessly transitioning from broad, accessible spaces to more immersive, detailed 3D environments when seeking depth and immersion.

As we embark on the development of Metropolis World, our metaverse development strategy is structured to ensure its position as the Capital City of the Metaverse. Our phased approach begins with a 2D browser based version, introducing core functionality, revenue generation, and community building. Identity management forms a crucial part of this strategy, establishing mechanisms to identify users and store their information securely. While protocols for on-chain identity data storage continue to evolve, our initial implementation utilizes MongoDB for data storage.

The browser-based version will serve as the nexus for users to mint properties, engage with the community, and transact within the marketplace. Leveraging existing platforms and technologies, including REACT.js, MongoDB, and AWS hosting, ensures efficient delivery and scalability. Concurrently, the fully interactive 3D build of Metropolis World will be developed in stages, catering to a diverse range of devices and experiences. Unreal Engine 5 forms the foundation for this build, providing unparalleled graphical capabilities and adaptability across devices.

Through meticulous planning and innovation, we're laying the groundwork for Metropolis World to emerge as the quintessential metaverse destination, where exploration, storytelling, and collaboration converge to redefine the virtual experience.

IMMERSIVE 3D ENVIRONMENTS: Step into a world where 3D environments come alive, inviting exploration and interaction. From towering skyscapes to serene landscapes, every corner of Metropolis World is meticulously crafted to immerse users in a captivating digital realm.

ACCESSIBLE 2D AND 2.5D INTERFACES: Seamlessly navigate the metaverse with our intuitive 2D and 2.5D interfaces. Whether you're attending a virtual event, embarking on a quest, or simply socializing with friends, our interfaces provide effortless access to a wealth of experiences.

INTEGRATION OF REAL-WORLD ELEMENTS: Experience the thrill of real-world integration as digital and physical elements converge within Metropolis World. Attend virtual concerts by renowned artists, participate in sponsored quests to win tangible rewards, or explore virtual replicas of iconic landmarks from around the globe

ENHANCED INTERACTIVITY: Engage with our digital and physical experiences like never before. Interact with a myriad of diverse avatars, customize your virtual space to reflect your personality, and embark on immersive quests that blur the line between reality and fantasy

SEAMLESS TRANSITION: Enjoy a seamless transition between digital and physical environments within Metropolis World. Whether you're exploring a 3D art gallery or attending a virtual concert, our platform ensures a fluid and intuitive experience that keeps you immersed at every turn.

Examples:

- **Interactive Art Galleries:** Explore the White Canvas, where 3D sculptures and paintings come to life, complemented by immersive 2.5D panels offering deeper insights and further information on the artwork.

- **Virtual Concerts:** Visit Blond:ish's home and vibe to her concert in a 2D space, or step into a 3D rendition of the venue to share the experience with others.

- **Real-World Quests:** Embark on a streetwear brand sponsored quest around the 3D streets of the Lower District for a chance to win a limited-edition pair of sneakers.

STORYTELLING

In crafting our inaugural metaverse destination, we've meticulously curated over 500 unique properties to create a tapestry of narratives and realms ready for exploration. Each property, from bustling shops to quaint cafes, embodies a story, transforming every user interaction into a part of the vibrant life of this digital ecosystem. Whether it's solving mysteries, undertaking quests, or simply chatting with other adventurers, every element adds depth and excitement to the experience. Beyond being a mere digital playground, Metropolis World is a dynamic environment where exploration, storytelling, and collaboration blend to mirror the richness and diversity of the real world.

Within Celeste, users experience a vivid virtual environment that ignites the imagination. From the energetic High-Flyer District to the culturally rich Middle-Wise and the lively Lower Depths, every district offers a unique adventure. These neighborhoods aren't just static settings but living, breathing worlds waiting to be explored. Users can uncover hidden treasures, solve mysteries, and overcome obstacles, making each visit an immersive journey into a well-crafted world.

THE HIGH-FLYER DISTRICT

At the pinnacle of Celeste, the High-Flyer District offers panoramic views that stretch as far as the eye can see. Skyscrapers pierce the sky, casting long shadows over bustling streets lined with high-end boutiques and elegant cafes. As users traverse these dizzying heights, they'll encounter vibrant street markets, exclusive art galleries, and luxurious hotels that cater to the discerning tastes of high-flyers. But beyond the glamour lies a world of intrigue, with hidden alleyways and secret passages waiting to be discovered by intrepid explorers.

THE MIDDLE-WISE DISTRICT

Nestled between the towering skyscrapers of the High-Flyer District and the bustling energy of the Lower Depths, the Middle-Wise District offers a tranquil respite from the hustle and bustle of urban life. Here, lush gardens and meandering waterways invite users to wander and explore, while charming cafes and quaint boutiques beckon with their welcoming atmosphere. But beneath the surface lies a rich tapestry of culture and history, with ancient monuments and hidden relics waiting to be unearthed by those with a keen eye for discovery.

THE LOWER DEPTHS DISTRICT

Descend into the depths of Celeste and find yourself in the heart of the Lower Depths District, where the neon glow of city lights casts long shadows over dimly lit alleyways and bustling marketplaces. Here, the streets pulse with energy as users navigate through a maze of narrow lanes and crowded thoroughfares, encountering a diverse array of characters and cultures along the way. From underground clubs and seedy speakeasies to gritty street markets and underground hideouts, the Lower Depths District is a melting pot of creativity and chaos, where anything is possible, and adventure awaits around every corner.and history, with ancient monuments and hidden relics waiting to be unearthed by those with a keen eye for discovery.

WHAT IS THE PURPOSE?

In Metropolis World, the depth of lore and storytelling is not just a feature—it's the foundation that distinguishes our metaverse from other blank canvas virtual worlds. Through interactive storytelling, users can delve into a rich tapestry of history and mystery that gives each location a purpose akin to stepping into a real-life city. Whether it's exploring the origins of ancient artifacts, decoding messages from enigmatic characters, or uncovering the sagas of rival factions, every discovery enriches the user's experience with layers of history and meaning.

The lore of Metropolis World is integral, shaping the environment and guiding adventures, allowing users to unlock new opportunities, form alliances, and navigate their own path through an evolving narrative. This dynamic framework of stories transforms the metaverse into a living world, where every corner has a past, every character has a story, and every action influences the future.

Moreover, our community and partnerships play essential roles in this narrative ecosystem. Collaborative efforts with users and organizations continuously enrich and expand our lore, introducing new complexities and broadening the narrative scope. Through communitydriven events, corporate sponsorships, and collaborations with renowned creators, Metropolis World's lore grows and evolves—offering endless possibilities for engagement, exploration, and discovery. This commitment to storytelling makes Metropolis World a uniquely immersive destination, setting it apart as a metaverse with real-world depth and vibrancy.

FUTURE DEVELOPMENTS

As we embark on this journey to build Metropolis World into the premier destination within the metaverse, we're constantly looking ahead to the future and envisioning new possibilities for growth and expansion. Our commitment to innovation and evolution drives us to continually push the boundaries of what's possible, ensuring that Metropolis World remains at the forefront of the digital landscape.

We recognize that the metaverse is a dynamic and ever-evolving ecosystem, and as such, we're committed to staying agile and adaptable in the face of change. Our team of developers, designers, and visionaries is constantly exploring new technologies, trends, and ideas to enhance the user experience and keep Metropolis World ahead of the curve.
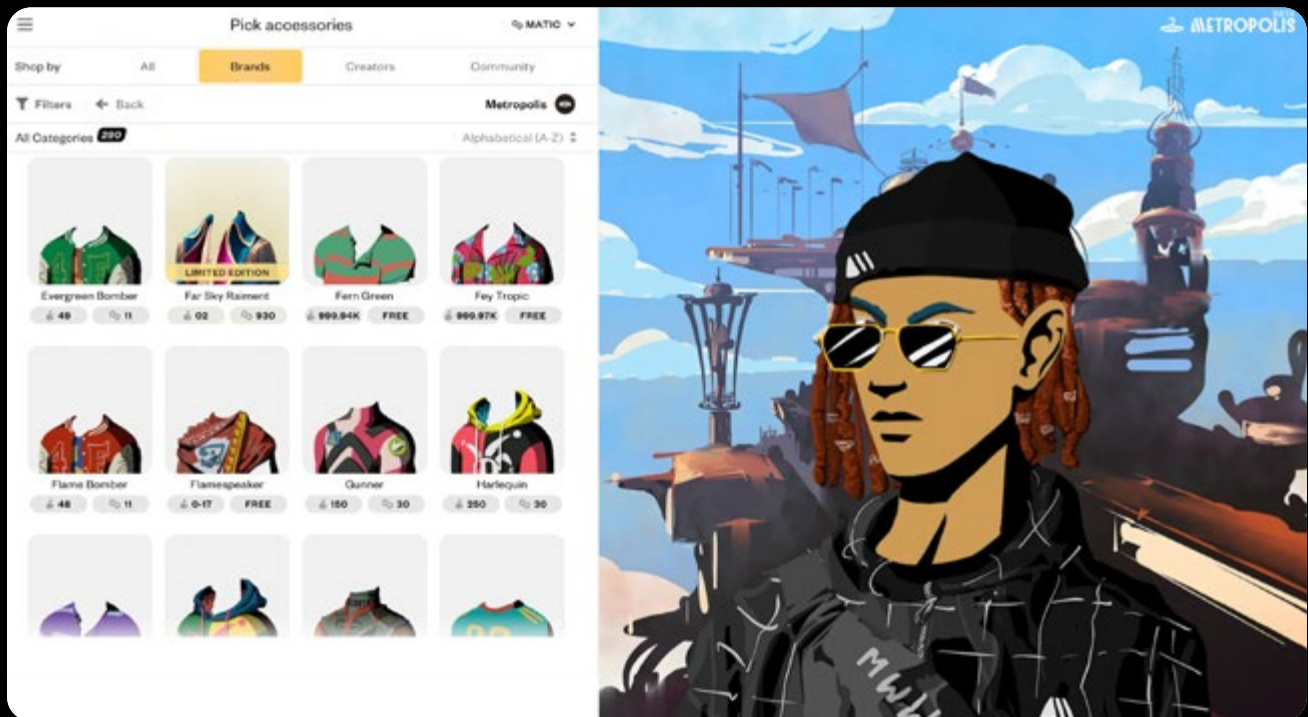
Additionally, we're exploring ways to deepen the integration of digital and physical experiences within Metropolis World, offering users even greater opportunities to seamlessly transition between the virtual and real worlds. Whether it's through augmented reality experiences, interactive installations, or real-world events, we're committed to blurring the lines between the digital and physical realms.

Community engagement will continue to be a cornerstone of our development strategy, with a focus on fostering a vibrant and inclusive community where users can connect, collaborate, and create together Along the way we'll be introducing new features, events, and initiatives to encourage active participation and involvement from our existing community members and newcomers alike.

Calypso, the City of Water, stands as the promising next frontier in the evolving landscape of Metropolis World. Designed as a vibrant aquatic realm, Calypso offers breathtaking vistas and immersive environments, serving as a strategic canvas for businesses, community groups, influencers, and creatives alike.

With thousands of properties dotting its underwater landscape, Calypso promises a treasure trove of opportunities for exploration and personalization. From creating your underwater oasis to customizing interiors that reflect your unique style and preferences, each property in Calypso offers a canvas for creativity and self-expression.

METROPOLIS X: THE COLLABORATIVE MARKETPLACE

OVERVIEW

Metropolis X, our gamified marketplace where digital collectibles unlock real-world products, content, and experiences. With a growing network of over 350 top creators and brands we offer limitless options to craft a totally unique and dynamic digital identity.

In a world increasingly connected by pixels, it's only fitting that our digital identities should reflect the ever evolving tapestry of our lives. Enter Metropolis X, the collaborative marketplace that prioritizes support for creators and consumers, giving you the power to craft a fully customizable digital persona while supporting the artists who bring those unique traits to life.

MULTIFACETED EXPRESSION

Choosing a profile picture (PFP) can often feel like selecting one facet of your identity at the expense of others. But it shouldn't have to be that way. In this collaborative marketplace, you can explore thousands of items across dozens of layers and create a PFP that represents the multidimensional nature of your identity. You are free and encouraged to try new things, explore your expression, find things you love, find th ngs you hate, and find the most authentic version of yourself every day.

STORY-DRIVEN FASHION LINES

Behind every collection in Metropolis is a story waiting to be told. Collections are reflective of writers, artists, and communities who come together and collaborate to bring every trait within the marketplace to life. Whether it's a fashion line, an art series, or a unique set of traits for your digital identity, each item has a narrative that makes it more than just a digital asset. It's a piece of art from a rising artist, a part of someone's personal journey, a relic from another world, the heart of a community, and a bridge between a brand's digital and physical identity.

Unlike other platforms where designs may be purely aesthetic, each collection in Metropolis is a narrative tapestry woven by diverse creative teams. This method ensures that every fashion line, art series, and avatar trait is not only a digital asset but also a piece of communal storytelling, reflecting the collective vision and cultural richness of its creators.

UNLOCKING REAL-WORLD UTILITY

While Metropolis X starts as a digital-exclusive marketplace, every item has the potential to unlock real world utility, giving every piece of clothing the potential for a greater purpose. Creators can use this platform to connect with others, offer exclusive content, raise money for a charity or new project, create physical versions of their items, and so much more. A Metropolis avatar allows you to wear your passions on your sleeve, or rather, as your sleeves.

A PLATFORM FOR NEW ARTISTS

Additionally, up-and-coming artists can leverage the Metropolis X platform as a dynamic canvas to promote their creativity through online fashion collections. Here, they can bring their unique designs and concepts to life, crafting fashion lines that tell compelling stories and resonate with a broader audience

Metropolis X offers the opportunity to showcase these collections in an immersive digital environment, where users can not only admire but also engage with the artistry behind each piece. By collaborating with other creators and sharing their collections within this vibrant community, individual artists can extend their reach, gain exposure, and foster a loyal following of supporters who appreciate their distinctive vision and craftsmanship. In essence, Metropolis X is not just a marketplace but a stage where creators can spotlight their art, connect with enthusiasts, and shape the future of digital fashion.

FULLY CUSTOMIZABLE PFPS

Whether you're an established brand, a hidden talent, or just a citizen of online culture, Metropolis X is the collaborative marketplace that encourages you to be the most authentic version of yourself. It's a platform that empowers creators and consumers alike to explore the limitless possibilities of their digital identities and how to bridge those identities with the physical world. Join the evolution, and together, let's build a Metropolis that reflects the multifaceted fusion of our digi-physical lives.

AVATAR BUILDER

The Avatar Builder stands as one of the foundational pillars of Metropolis X, offering users the opportunity to craft their digital identities with unprecedented depth and creativity. Gone are the days of settling for static avatars that fail to capture the richness of one's personality. With the Avatar Builder, users have the freedom to express themselves fully, exploring endless combinations of traits, styles, and accessories to create a truly unique avatar that reflects who they are.

2D

The 2D Avatar Builder serves as a dynamic canvas where users can shape their digital personas with unparalleled depth and ingenuity. While the 3D Avatar Builder is still in the works, the 2D counterpart stands as a robust platform, inviting users to unleash their creativity and express themselves fully through meticulously crafted avatars.

Within the 2D Avatar Builder, users are greeted with a vast array of customization options, offering a playground for personal expression. From intricate hairstyles to nuanced facial features, and from wardrobe selections to accessory choices and backdrops, every detail can be tailored to mirror the distinct personality and preferences of the creator.

More than that, the 2D Avatar Builder extends beyond mere visual customization. A standout feature of the 2D Avatar Builder lies in its integration with tangible assets. Users have the opportunity to discover avatar items that hold real-world counterparts. This unique feature allows users to bring their digital choices to life, whether as custom toys, art pieces, or wearable merchandise. Furthermore, users can explore branded and influencer-driven content, unlocking exclusive products and experiences that transcend the virtual space.

Facilitating a seamless user experience is at the core of the 2D Avatar Builder's design philosophy. With intuitive social logins, flexible payment options, and secure transactions facilitated through both custodial and non-custodial wallets, users can navigate the platform effortlessly, with the assurance of privacy and security.

Engagement with the 2D Avatar Builder transcends individual expression; it marks active participation in the broader Metropolis ecosystem. Users' strategic choices in outfitting and trait selection wield influence beyond aesthetics, shaping gameplay dynamics and unlocking exclusive quests and zones. By leveraging blockchain technology, users can imbue their avatars with authenticity, curating digital wardrobes that evolve with their journey through the Metropolis landscape.
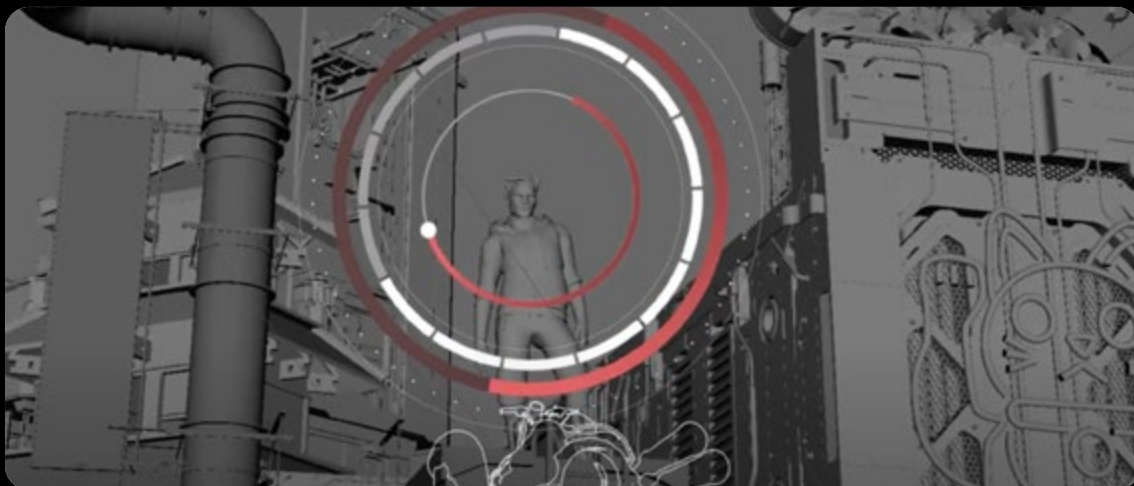
3D

Metropolis is spearheading a groundbreaking initiative with its White Label 3D Avatar Builder, offering users an immersive digital wardrobe where they can sculpt their identities with precision and flair in the vast expanse of the Metaverse. Leveraging the VRM format tailored explicitly for VR applications, this pioneering platform establishes a gold standard in avatar creation, ensuring seamless compatibility across a multitude of devices, platforms, and engines.

Delving into the foundational elements of VRM, the cornerstone of our 3D Avatar creation, we invite users to understand the intricacies of this innovative format. From understanding the technical framework and shading options to delving into the realm of facial expressions and licensing models, the VRM standard offers a comprehensive toolkit for crafting dynamic and expressive avatars.

VRM, an acronym for Virtual Reality Model, serves as more than just a technical specification; it embodies versatility and adaptability, revolutionizing avatar creation across the Metaverse. By streamlining character files and defining motion and visual capabilities, VRM paves the way for seamless avatar development, from mesh structures to facial expressions, ensuring consistency and quality throughout the process.

Shading options play a pivotal role in defining the visual aesthetics of avatars within the VRM framework. From the industry-standard Physically Based Rendering (PBR) technique, which lends unparalleled realism to digital environments, to the minimalist allure of Unlit rendering and the expressive flexibility of MToon shading, users are empowered to tailor their avatars to suit their unique styles and preferences.

Facial expressions are the soul of avatar interaction, breathing life and personality into digital representations. With support for blendshapes, users can sculpt a myriad of expressions, seamlessly transitioning between emotions and animations, enhancing engagement and immersion within the Metaverse.

Spring bones introduce a new dimension of dynamism to avatar customization, enabling lifelike movement for accessories and body parts. Whether it's the gentle sway of a cloak or the playful bounce of a character's hairstyle, spring bones imbue avatars with a sense of vitality and realism, enriching the user experience.

Embedded licensing within VRM ensures transparency and trust in avatar usage rights, fostering a culture of integrity and respect within the Metaverse. By clearly communicating usage boundaries and redistribution models, VRM empowers creators to navigate the digital landscape with confidence and assurance.

The applications of VRM extend far beyond avatar creation, permeating various industries and platforms with its versatility and adaptability. From immersive gaming experiences to interactive marketplaces, from vibrant metaverse environments to augmented reality applications, VRM technology catalyzes innovation and creativity across the digital landscape.

Embarking on the journey of avatar production entails a meticulous blend of artistry and technical prowess, culminating in the creation of a seamless and immersive user experience. Through a collaborative and iterative process, the production pipeline unfolds, from conceptualization to final assembly, ensuring coherence and efficiency at every step.

The art pipeline serves as the creative engine behind avatar development, encompassing stages such as references moodboarding, concept art direction, high-resolution design, lowresolution materials, rigging blendshapes, and quality assurance. Each phase contributes to the visual identity of the avatar builder, guiding users through a captivating journey of customization and expression.

In parallel, the code pipeline drives the development of the avatar builder's backend infrastructure and frontend user interface, from technical scope definition and scene features definition to dummy development, system development, asset introduction, and quality assurance. Collaboration between art and development teams ensures seamless integration and alignment with project objectives, resulting in a cohesive and immersive platform for avatar customization.

Integration of art and code pipelines is essential to the success of the avatar builder, facilitating a harmonious blend of artistic vision and technical feasibility. By embracing innovation and collaboration, Metropolis aims to empower users to express their unique identities in the ever-expanding Metaverse, fostering connections and creativity that transcend boundaries.

AVATARA STUDIOS

Embark on a journey of collaborative creation and immersive storytelling with Metropolis X, powered by Avatara Studios, our proprietary SaaS solution. As a cornerstone of our platform, collaborative development and rich storytelling offer a unique opportunity for community members, creators, and businesses alike to engage with our vibrant ecosystem.

CREATORS AND BUSINESSES

Elevate your narrative with our immersive storytelling capabilities. Through collaborative development, creators and businesses can imbue each digital item with significance, creating narratives that resonate with audiences on a deeper level. With Avatara Studios, you can seamlessly integrate your identity into our platform, amplifying your story and standing out in the digital landscape. Our collaborative approach ensures that every interaction leaves a lasting impression, fostering genuine connections with your audience.

Our platform distinguishes itself by equally empowering small creators and major brands, providing a stage where innovative designs and trusted quality coexist, thereby enhancing the diversity and richness of the digital personas you can craft with Avatara Studios.

PROJECTS AND ENTERPRISES

Realize your vision with the support of our collaborative development ecosystem, Avatara Studios. Metropolis X offers a nurturing environment for projects and enterprises to thrive, providing access to technical expertise, artistic talent, and a global audience. From conception to execution, our platform empowers you to navigate the intricacies of digital creation and bring your ideas to life in a way that resonates with audiences worldwide. With collaborative development and rich storytelling at the forefront, you can create immersive experiences that captivate and inspire.

AI INTEGRATION

REVOLUTIONIZING AVATAR INTERACTION AND STORYTELLING

Metropolis X is at the forefront of AI integration, reshaping avatar interaction and storytelling within the Metaverse. Through ongoing research and development, we're leveraging AI technology to develop immersive experiences that aim to captivate users and push the boundaries of digital engagement.

DYNAMIC AVATAR INTERACTION

Our platform aims to harness the power of AI to enable dynamic avatar interaction, where avatars will respond intelligently to user input and interactions. From envisioned lifelike movements to anticipated natural language processing capabilities, our goal is to create AIdriven avatars that offer a seamless and immersive experiences.

PERSONALIZED BACKSTORIES

Users will have the ability to craft their avatar's backstory, allowing them to shape the character's identity and experiences. Within these narrative boundaries, AI technology will enable avatars to act and converse as their character when required, adding depth and immersion to user interactions. Through this innovative approach, users will not only control their avatar's appearance but also its personality and narrative trajectory, adding to a truly unique and dynamic digital identity.

As AI technology continues to evolve, so too does our commitment to innovation. We're continuously exploring new ways to harness the power of AI to enhance avatar interaction, storytelling, and questing within Metropolis X. With each step forward in our development process, we aim to push the boundaries of what's possible in the Metaverse.

QUESTS

Emerging as the capital city of the metaverse, Metropolis blends the dynamic lifestyle possibilities of games like The Sims and Second Life with tangible aspects akin to real-world cities.

This digital township fosters digital commerce, community events, and cultural exchanges, enhanced by AI to add a layer of adventure and role-playing reminiscent of Dungeons & Dragons Here, in Metropolis World, you're not just a visitor but a resident, carving out your own digital space to explore, create, and connect. It's where the adventure begins, anchored in the realities we know but extended into the vast potential of the metaverse.

CULTURE, IDENTITY, AND GOVERNANCE

The cultural and social ecosystem within our world mirrors the diversity of a real-world metropolis, where neighborhoods buzz with individuals from all walks of life. Choose from different factions that influence the city, such as the Metro Criminals or the Metro Police, adding layers of strategy to your endeavors as residents attempt to influence the city. Residents engage around shared spaces and interests, and the governance system empowers digital citizens to propose, debate, and vote on initiatives. This allows each faction to pursue their unique agendas and use the city's treasury to create value and enhance communal life according to their collective vision.

This practical approach strengthens community ties and promotes active involvement, allowing residents to directly impact their surroundings. Similar to urban life in physical cities, individuals in Metropolis World can use the Metropolis Fund to support a variety of projects. For example, community members might host a book club, fund a mental health center, or start an online workshop series to teach each other practical skills. These initiatives not only enrich the neighborhoods but also showcase the varied cultures and identities present, making this virtual world a true space of belonging and shared advancement.

CREATOR ECONOMY INTEGRATION

Economic prosperity in Metropolis World is fundamentally rooted in the practical skills and active engagement of its inhabitants, far outweighing passive consumption. The creator economy is pivotal here, connecting innovative creators from various fields who energize the digital landscape by developing interactive quests and unique content. These creators leverage digital collectibles as skins or access tokens for exclusive experiences, effectively monetizing their creative output. For instance, digital artists could design virtual murals for community events, transforming public spaces into vibrant hubs of digital art. Additionally, aspiring musicians can participate by hosting virtual concerts or releasing exclusive tracks as NFTs, allowing fans to own a piece of the music's royalties or gain special access to live events.

In this thriving marketplace, the contributions of creators not only bolster their own success but also enhance the communal well-being, turning artistic visions into community-focused experiences.This model underscores a dynamic economy driven by the direct involvement and innovation of its participants.

REWARDING QUESTS AND A STORY-DRIVEN WORLDS

Every building in a real city tells a story, each with its own purpose and place in the urban narrative. Metropolis World embraces this same principle, where every structure, street, and square is rooted in a story of purpose, making the environment feel alive and immersive. Unlike other digital environments filled with generic, interchangeable elements, this virtual city is designed with intention, its every detail contributing to a larger narrative.

Players are invited not just to observe but to engage with these stories actively, becoming part of the unfolding saga of Metropolis World. As they embark on quests and interact with the environment, they contribute to the evolving lore, driving forward the narrative and enriching the collective experience. This approach ensures that the digital city is not just a backdrop for individual adventures but a shared story where every citizen plays a role in shaping the world's destiny.

LORE AND ASSETS

The expansive lore of Metropolis, detailed across hundreds of pages, provides a foundation for a wide variety of quests that cater to diverse gaming preferences. This rich narrative depth allows the game to seamlessly incorporate elements from numerous genres, attracting gamers who enjoy strategy, role-playing, action, mystery, and more. This variety not only broadens the appeal of our quests but ensures that every type of person finds engaging content that resonates with their individual interests, making the world of Metropolis a dynamic and inclusive playground for all.

Additionally, in this intricate universe, assets from our various collections are not merely collectibles; they are pivotal to the gameplay, closely tied to the lore and the central conflicts that unfold within the quests. Each asset has been tied into the city's evolving ecosystem, providing players with unique entry points into the main narrative arcs and conflicts. These assets become keys to deeper immersion, enabling players to actively participate in and shape the ongoing conflicts that drive the narrative of Metropolis, making each player's decisions and acquisitions significantly impactful in the evolving story. For example, owning assets from the $CLAY collection allows players to engage in quests centered around the strategic manipulation and control of this vital resource, directly influencing the socio-political landscape of Metropolis.

HERE IS JUST A TASTE OF THE STORY AROUND OUR TOKEN, $CLAY:

In the aftermath of a cataclysmic asteroid shower that devastated their world, the titanic Sweepers, born from the ensuing chaos, discovered $CLAY, a vital energy source coursing through the underbelly of Metropolis. This discovery was pivotal in the city's resurgence, with $CLAY becoming the lifeblood of its ecosystem and a critical asset in maintaining the balance of power among its inhabitants, the Citizens and the Nomads.

A colossal figure suspended in the heavens at the heart of the city, the Celestial Weaver, serves as a guardian of $CLAY, reigning over the Sweepers. $CLAY not only sustains the universe but also underpins the complex social strata and the fraught relationships within Metropolis. The control over $CLAY, limited to a select few, has historically enabled a delicate harmony among the native Citizens and the interstellar Nomads, who depend on $CLAY for energy. However, with $CLAY's recent scarcity, tensions are rising, threatening the fragile alliances and escalating conflicts across the social and geographical divides of the city, setting the stage for potential upheavals in this intricate web of power dynamics.

You can learn more about the story of our world by reading property descriptions on MetropolisWorld.io or checking our accompanying Lore site, MetropolisWorldLore.io.
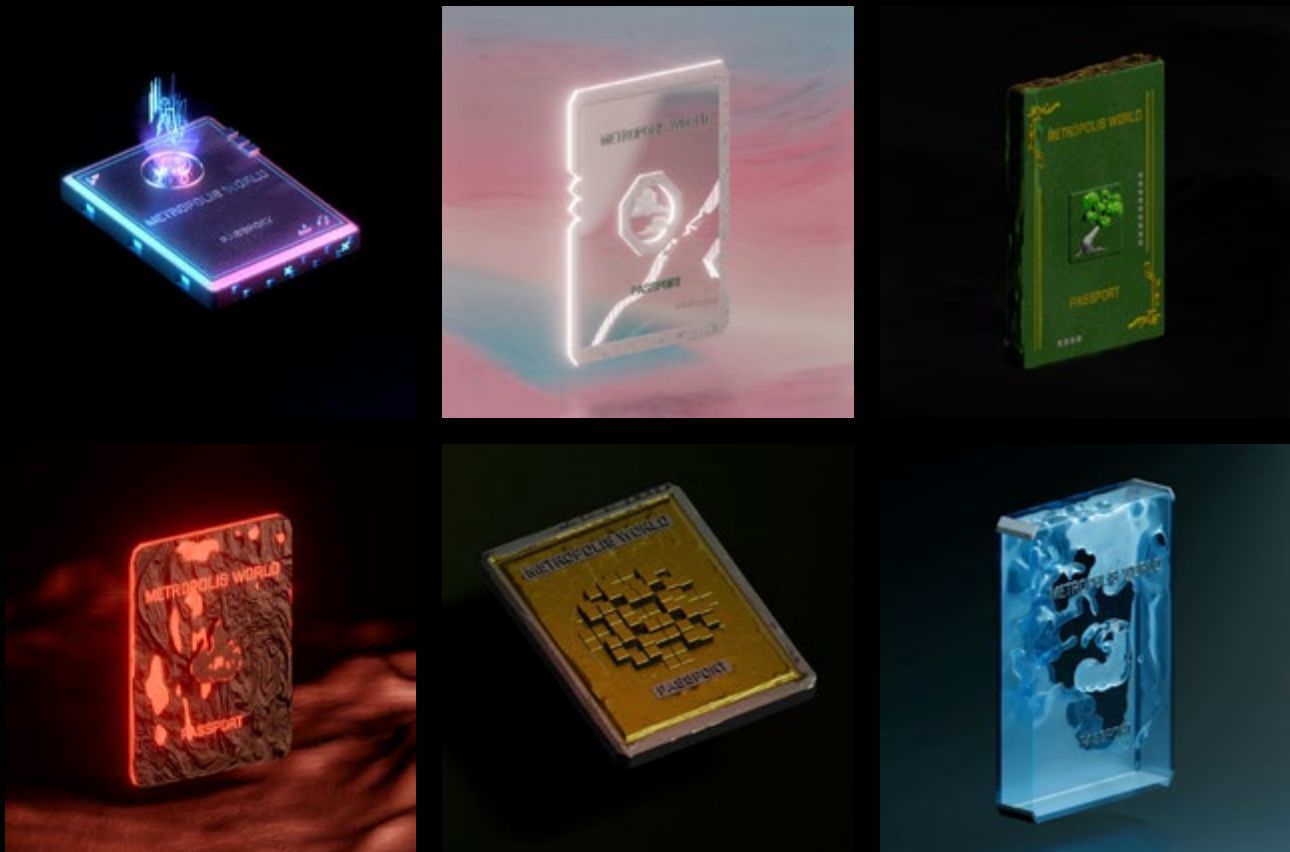
ASSETS

PASSPORTS

Your Passport is your official membership into the Metropolis Ecosystem. Elevate your experience with our VIP membership, granting you access to exclusive perks such as early access to limited edition drops and special airdropped items. With a Passport, you'll enjoy priority access to future cities and properties, ensuring you're always at the forefront of new opportunities. Unlock unique quests and level-ups tailored specifically for Passport holders.

Benefits Include:
- Access to exclusive products and events
- Property and ownership rights
- Airdrops & giveaways
- Governance Rights
- Unlock special quests

Passports were released on Ethereum using the ERC721 standard as a base. As a base? Yes, we wanted to provide a level of flexibility to the passports which allow them to become more versatile as time progressed. To achieve this, we have introduced a number of updateable elements within the metadata which can be changed via smart contract interactions.
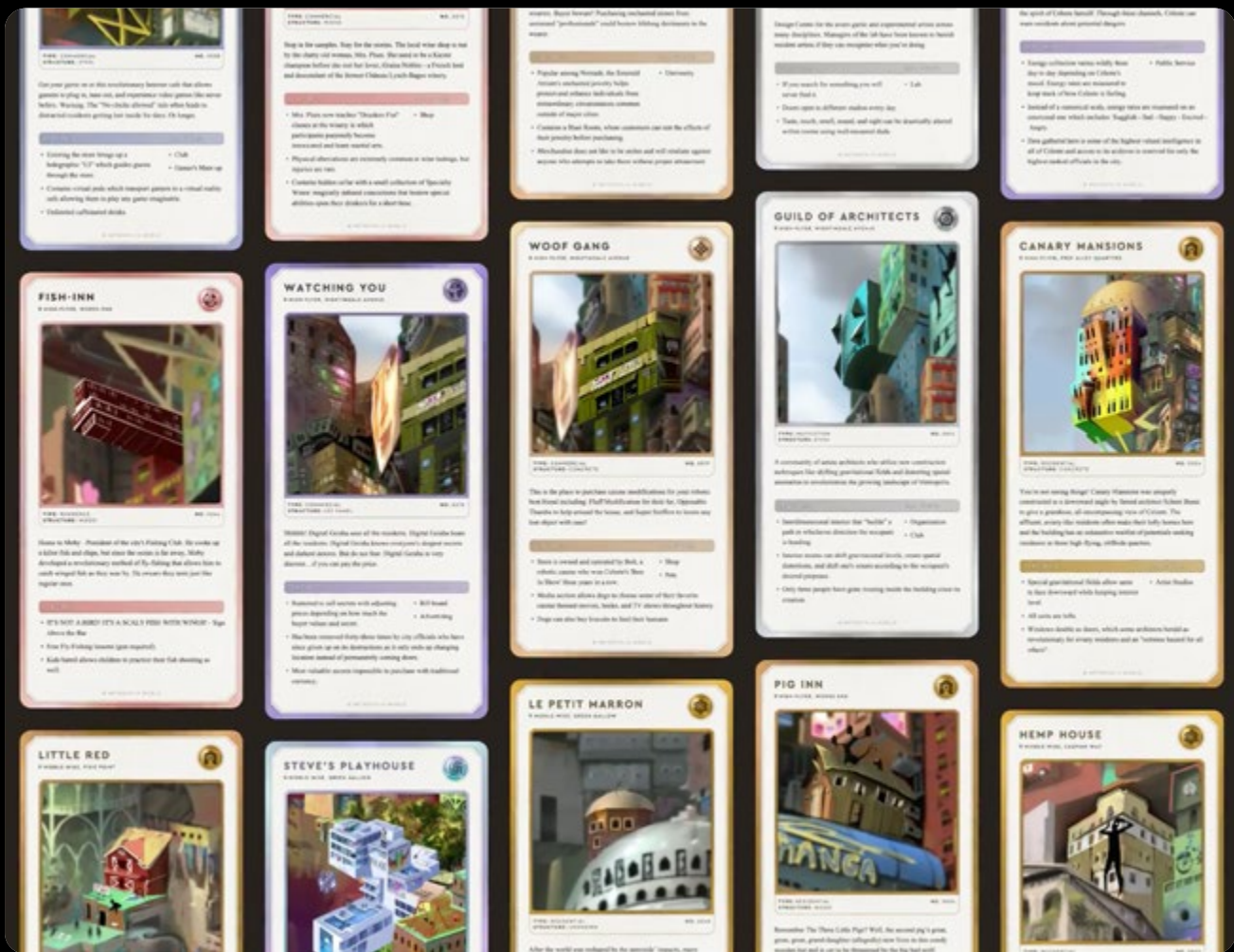
AVATARS

Pick your faction!

Your Avatar base is soul-bound because it's your digital DNA—uniquely yours and irreplaceable, just like a fingerprint in the virtual world. Whereas your Accessories, Clothing, and Items are tradable and interchangeable.

Experience true interoperability with our collection of avatars, designed to seamlessly transition between Metropolis World and beyond. Our avatars are more than just digital representations - they serve as a means to support creators both within and outside our ecosystem. With attached utility and potential involvement in quests, our avatars offer endless customization options, empowering you to express your unique identity in the everexpanding Metaverse. Join us as we collaborate with Polygonal Minds to bring you the next generation of 3D avatar customization.

Benefits Include:
- 214,290+ unique base Avatars
- 3684+ Accessories
- 400+ Creator & Brand Exclusive Collections
- Endless combinations

For more details on Avatars, please visit Avatar Builder

PROPERTIES

Within the genesis City of Celeste, become a property owner of a 1x1 non-generative dynamic NFT.
The City of Air is where you can bring to life your own personal brand withing your own space.

- Host Events
- Create a Quest
- Earn $CLAY
- Customize your interiors (Coming Soon)
- Vote on Key City Decisions

Own a piece of the Metropolis world and earn $CLAY through various avenues, including renting out
your property, hosting events, and creating quests. As a property owner, you have the power to shape the
narrative of the world by crafting your own quests using our customizable template. In the not-so-distant
future, customize the interior of your property and transform it into a social hub, seamlessly integrating with
your social media profile and digital assets.

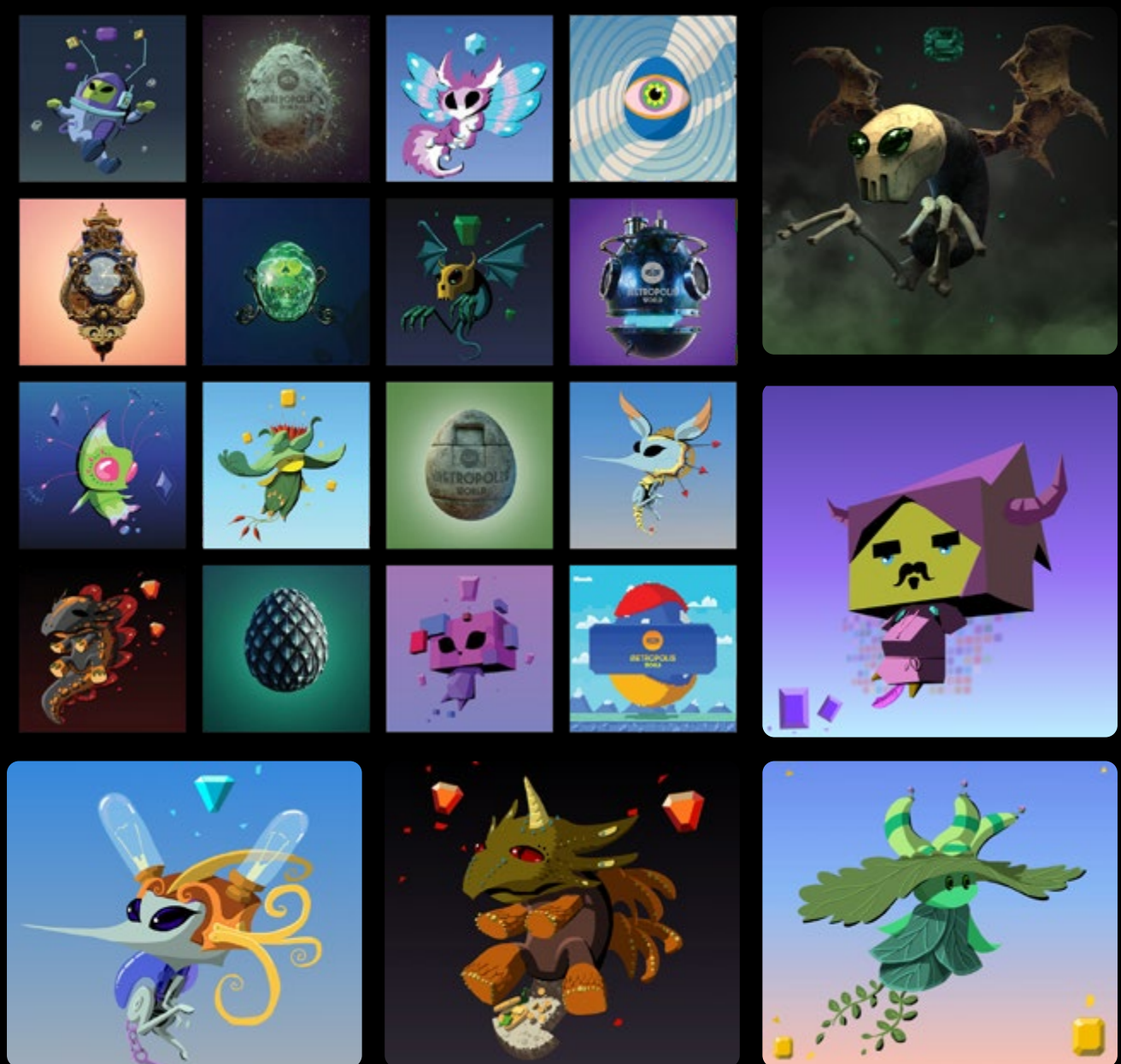For more details on Properties please visit Avatar Builder.

ETHEREALS

Collect your Eggs – Hatch your Ethereals

Eggs are one of the many legendary artifacts found within the six cities. First discovered in locations that are nearly impossible to reach, with power levels off the charts, their contents can only be described as curious. Use them to level-up on quests and to unlock new adventures.

When paired with a human carrier, and ideal incubation conditions are met, these Eggs hatch into an Ethereal which bonds itself to the spirit of its hatcher. Immerse yourself in the rich lore of our Ethereal collection, tracing its evolution from free items to mysterious creatures deeply entwined with the story of Metropolis. These Ethereals play a pivotal role in our questing platform, serving as essential objects to complete various quests and unravel the intricate narrative of the Metaverse.

Stay tuned for future developments as we explore the potential for an Ethereal game that brings these captivating creatures to life.

$CLAY

The $CLAY token is a multifaceted digital asset integral to the Metropolis Ecosystem. In this ever-expanding world, $CLAY is designed to offer users a comprehensive experience across gaming, commerce, and community engagement. Owning $CLAY isn't just about holding a token. $CLAY is the key to Metropolis.

TOKEN UTILITY

STAKING

Stake & Earn: Users can lock in their $CLAY tokens to earn an Annual Percentage Yield (APY). Active participants get additional loyalty bonuses.

Revenue-Based Buyback: A portion of marketplace revenue is used to repurchase $CLAY, which is then distributed to stakers, reinforcing our commitment to rewarding community investment.

QUESTING

Unlock Quests: Use $CLAY to access a variety of quests. Quests are designed in partnership with top brands and creators, and provide you with opportunities to win highly coveted real-world prizes.

Level Up: Holding and spending $CLAY directly contributes to your progression within a game-to power up, improve stats, and acquire unique abilities that enhance your gameplay.

Trade: Use $CLAY to trade with other players for items essential to questing or gameplay. $CLAY is effectively the lifeblood of the in-game economy.

MARKETPLACE BENEFITS

Early Bird Access: Hold $CLAY and be the first to claim the latest premium items, enjoying pre-release privileges.

$CLAY Savings: Redeem $CLAY tokens for special discounts across digital collectibles, real-world products, as well as ticketed events and experiences.

Exclusive Collections: Use $CLAY to acquire select items and collections in the marketplace.

PROPERTY OWNERSHIP

$Clay Mortgages: As a $CLAY token-holder, you qualify for mortgages on properties within Metropolis cities. The more $CLAY you hold, the more favorable terms become.

$Clay Leasing: Users can use $CLAY tokens to rent spaces, whether for personal residence, commercial endeavors, or events.

Presale Access: With five new cities on the horizon, $CLAY will allow holders to reserve properties in these future developments. This means early access based on your existing $CLAY investment.

GUARDIANSHIP

City Power: The stake a user has in $CLAY reflects their influence over Metropolis' policies and city evolution.

Metropolis Assembly: Significant holders of $CLAY make up the governing body that convenes virtually to deliberate on the future of the city. They can also qualify for esteemed roles like Mayor or Governor, which in turn allows them to earn income while influencing Metropolis.

BRAND AMPLIFICATION

Billboard Placement: Businesses and individuals can use $CLAY tokens to secure advertising spots on billboards throughout the City of Celeste.
Event Sponsorship: Token-holders can sponsor events or activities within Metropolis, using $CLAY to gain promotional opportunities and drive engagement.
Quest Promotions: When you create or participate in quests, you can use $CLAY to feature your quests more prominently, attracting more participants and adding an element of competition.

MORE TO COME

As Metropolis grows, the $CLAY token will evolve to include DeFi products, real-world utility, cross-platform capabilities, and more.