HCLTech | Supercharging Progress™

Step into the meta world of HCLTech's Metafinity

Infinite possibilities with evolving technology

Overview

Our unique viewpoint is that the Metaverse is transcendence, a world that surpasses the existing world of digitally augmented realities, universes, and economic models. In the coming decade, it will completely transform almost every element of life and business, enabling teamwork in virtual environments, augmented real-world settings, or a combination of both. Additionally, it will change how customers and businesses interact while also generating new business lines.

Businesses are currently moving quickly toward a future that is considerably different from the one they intended to operate. Every business will soon find itself at the nexus of numerous new worlds, be it creating brand-new physical and virtual realities or offering services in settings that have been designed by others. The Metaverse expands the concept of the global economy and enterprise model. It works to bridge the gap between the physical and immersive worlds. People from all over the world can engage in any activity in the virtual world, just as they can in the real one.
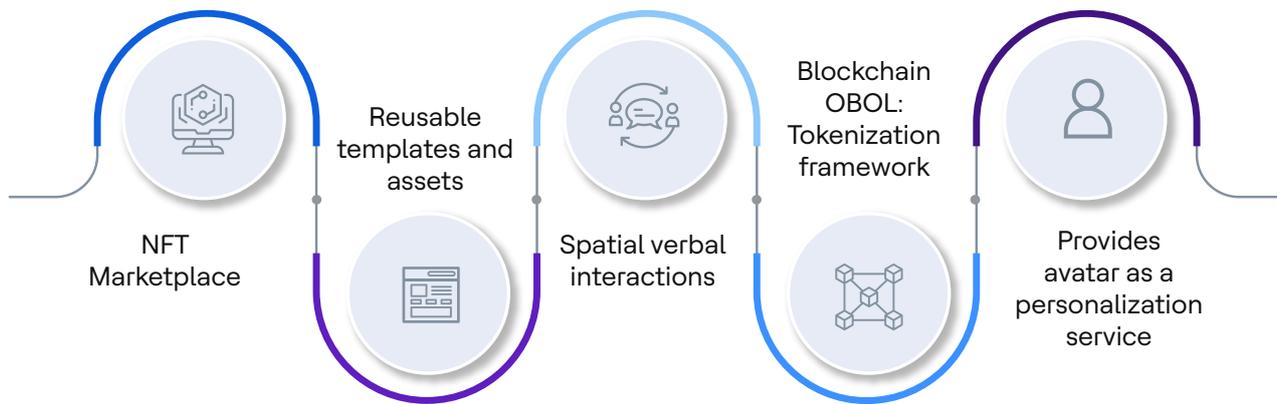
Meta world of Metafinity – what to expect

The Metafinity platform from HCLTech will aid in bringing brands and companies into the Metaverse. It will create a new virtual world consumer experience channel for social networking, real estate management, and retail. It will help create an intersection of different digital technology disciplines such as human interface, blockchain NFTs, 3D content creation, etc. under one umbrella platform.

The foundation of the MetaFinity platform is our tried-and-true XRStudio platform, a rapidly growing collection of verticalized solutions, pre-built algorithms, DIY avatars, multiplayer networking, meta-analytics, and integrations with market-accepted goods. Additionally, it makes use of the robust OBOL tokenization technology from HCLTech.

Key highlights of Metafinity:

NFT Marketplace

Reusable templates and assets

Spatial verbal interactions

Blockchain OBOL: Tokenization framework

Provides avatar as a personalization service

10+
Starter kits

15+
Reusable components

60+
3D assets

20+
Look-alike Avatars

Service offerings under Metafinity:

Consulting

a. Technology adoption strategy and digital 3D content strategy
b. Use case incubation
c. XR hardware selection – VR devices, phone, tablet, and head-mounted display (HMD) devices
d. Devise the cloud/backend strategy – Azure, AWS, GCP, OVH & IBM

3D content creation

a. Developing of 3D content
b. Migrate/optimize 3D contents
c. 2D textual information, images, videos, manuals, and others
d. Hosting of application assets and its security

Avatar as a service

a. Creation of look-alike avatars
b. Visual appearance customizations to support gender and ethnic diversity
c. Lip sync and gesture animations
d. Customization of avatar face, skin tone, accessories, outfit color, etc.

Meta app development

a. UI/UX designs
b. Applications for desktop/phones and HMD devices such as Google Cardboard, Oculus, and desktops
c. 3D model development and avatar development
d. Integration with voice frameworks for in-app collaboration

Prototyping:

a. Design 3D models
b. Avatar creation
c. Design of ML models
d. Develop prototypes

Platform features

Platform Support

Cross Platform support for all components and use cases to run across HMD devices, VR headsets via Android & iOS and Desktops. Support for Mac/Windows build with a keyboard controller, VR Devices (Google Cardboard/IRUSU), Oculus, and HTC Vive

Multi-Player support (MMO):

Real-time collaboration between numerous users

Block Chain:

Blockchain integration for conducting bilateral commerce and token awards

Reusable 3D assets:

Architected as a composition of reusable components and assets to create digital experiences and beyond

Video Player & Presentations:

Designated controls of video players and presentations

Audio & Chat:

Public and private auditory conversations amongst participants, chat interface to interact with other users

Teleporting:

Support to teleport between designated portals for swifter movement across the virtual workspace

Business advantages with Metafinity

Focused developer effort:

Using re-usable components and starter kits abstract complexities leaving room to innovate on mainstream solutions.

Optimised research time:

Time and effort spent to arrive at the best possible approach and tech stack to cater to business requirements

Increased productivity:

Features may be integrated with applications rapidly thereby reducing turn-around time for feature deliverability by up to 15- 20 %

Reduced effort:

XRStudio's proven library provides 20-25% reduction in development effort by abstracting feature complexities

World of potential – with evolving technology

Life science and healthcare

Collaborative working – 3D avatars of health workers work with digital twins

Education – Celebrity surgeons teach students, NFT/FT token rewards on course completion

Clinical care – Surgical simulations and collaborative medical procedures

Wellness – Virtual Instructors for training, token-based gamification

Banking and insurance

Virtual bank – Interact with the branch manager, relationship manager (RM), and financial advisors

Customer experience services – New account opening, KYC, financial consultation, and new product launch events

Media, entertainment, and public office

Real estate development – Develop property on virtual lands

Concerts, live events, trade shows, and exhibitions - Host numerous events on the Metaverse

Public/private office – Embassy, public dealing, office campus

Retail, CPG

Retail store experience - Custom product experiences, virtual 3D avatar as shopping assistant

NFT marketplace – Buy/sell/lease products using crypto wallets

New product launches - Make the most of product launches on the Metaverse via Meta-events

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HCLTech is a global technology company, home to 211,000+ people across 52 countries, delivering industry-leading capabilities centered around Digital, Engineering and Cloud powered by a broad portfolio of technology services and software. The company generated consolidated revenues of $11.79 billion over the 12 months ended June 30, 2022. To learn how we can supercharge progress for you, visit hcltech.com.