

Enabling the **transition** **to the Metaverse** for a world-renowned technology company

HCLTech engineers VR devices, from silicon to software, and other key technologies that will support the mass adoption of the Metaverse

In the global race to enter the Metaverse, the search is on for partners with exceptional engineering capabilities and expertise. Looking to gain early dominance in this space, a client chose HCLTech for its deep engineering talent to help design a Virtual Reality (VR) device. Engineering the device end-to-end, from silicon chips to software applications, the HCLTech team successfully delivered on both the critical parameters of quality and time.

The Challenge:

A need for engineering expertise in a nascent market

HCLTech was asked to develop a VR concept and ensure its market readiness in a short period of time. Sound technical knowledge was required as product engineering for VR devices forms the bedrock of the Metaverse experience.

Quality was key and time to market couldn't be compromised. With a high level of anticipation that surrounds the Metaverse, the product had to be engineered for optimal user experience and engineered right the first time.

The Solution:

Building the product from metal to experience

HCLTech helped build the product across the entire value chain; from the chip to the board, from the operating system to the mechanical structure and from the research to its applications.

With expertise and experience in every layer of engineering needed to support the Metaverse, HCLTech worked as an accountable partner to cover every aspect of the VR device, from the drawing board to the market. The HCLTech team provided R&D for Augmented Reality (AR) and VR chipsets along with their operating systems and automation. This included structural design and analysis, as well as business intelligence and data engineering.

Dedicated labs for VR engineering ensured quality and timeliness at every stage in application development, play testing,

performance management, voice assistance integration and product testing.

With a rich experience of working with the technologies driving the Metaverse, HCLTech's global team of engineers reinforced their knowledge through rigorous testing to successfully translate the VR concept to reality.





The Impact:

Accelerated time to market with the assurance of quality

With quality engineering from the HCLTech team, the global technology company reaped the benefit of accelerated time to market ahead of the competition. By developing the VR device with the right talent, strategy, design,

engineering and testing at each stage of the process, HCLTech helped guide the company confidently through the uncharted Metaverse waters.