Magic Leap

Scale immersive AR training across the manufacturing enterprise

vuforia™

PTC's Vuforia Expert Capture enables industrial manufactures to capture and scale expert knowledge to frontline workers.

Challenge: Conventional Training and Instruction Falls Short

Training and upskilling is essential to every manufacturing enterprise. But conventional paper-based training and work instructions are not sufficient to address today's product and process complexity. They are also time-consuming for both experts and trainees – leading to costs, lower productivity, and skill gaps.

Solution: PTC's Vuforia Expert Capture and Magic Leap Unleash Manufacturing Expertise

PTC's Vuforia Expert Capture and Magic Leap join industry-leading AR capabilities to unleash manufacturing expertise to your workforce. Vuforia Expert Capture accelerates knowledge-based AR content creation, enabling manufacturers to improve the accuracy and speed at which frontline workers successfully complete new or unfamiliar tasks.

Magic Leap 1 delivers incredible performance in a small, power-efficient computer. The heads-up display is equipped with sophisticated sensors and world-understanding, capturing the contour and content of your workspace so that applications intelligently integrate into your environment.

Easily Capture and Scale Knowledge

Magic Leap's advanced hardware capabilities and Vuforia's user-friendly AR software make it easy for experts to quickly capture procedures and best practices as they work to streamline and simplify authoring.

Combining the Vuforia Capture app with Magic Leap 1's ability to track voice commands, gaze and gestures, enables subject matter expertise and tacit domain knowledge to be easily captured as critical tasks are performed, creating a more efficient way to document and utilize on-the-job expertise.

These capture procedures can easily be transformed into work and training instructions that can be scaled to a broader population of less experienced frontline workers – making the best practices of experts the standard practice of all employees.

Maximize Immersive Training

AR-guided instructions created with Expert Capture bring new hires up to speed faster, reduce the time and cost of training and improve workforce safety and agility.

Magic Leap 1 is built to maximize the immersive AR-enabled training experiences. When combined with the Vuforia Vantage app, employees now have a powerful tool to become more effective and efficient, faster.

Vuforia and Magic Leap makes it simple for employees to learn by quickly by clearly displaying step-by-step AR training content, hands free, as they are executing tasks. This improves their confidence and speeds time to proficiency.

Empower Frontline Employees

Improve operator efficiency and agility with easy access to up-to-date, spatially intelligent AR-enabled instructions in the real-world context of their daily work environments. Procedure delivery is optimized through the Vuforia Vantage app and Magic Leap 1.

Vuforia Vantage provides a modern, personalized user experience and becomes even more powerful when paired with the Magic Leap 1's ergonomic and lightweight design. The combined solution makes it comfortable to wear for complex procedures over longer periods in either training or production scenarios.

Together, these solutions arm your employees with tools to help them perform their jobs more productively, accurately, and safely. When adopted at enterprise scale, Vuforia Expert Capture on Magic Leap 1 can help to drive productivity, reduce operational costs, and improve safety and compliance – offering a vital competitive advantage for sophisticated manufacturing organizations.

About PTC

PTC's best-in-class technology enables industrial customers, from industrial equipment, high-tech, automotive, aerospace and defense, and medical devices, to improve efficiency, maximize revenue growth, and reduce operational costs.

www.ptc.com