FT **Innovation**Suite
powered by **PTC**

How Augmented Reality Can Revolutionize Manufacturing

FactoryTalk® InnovationSuite Vuforia Augmented Reality (AR)

Explore industrial AR

Empower your workers to perform better and avoid safety and compliance risks by providing easy access to the information they need. Use industrial augmented reality (AR) to improve workforce efficiency and customer satisfaction with real-time, step-by-step work instructions and data. Choose apps to suit your specific business goals.

Make every worker your best worker

Vuforia® Expert Capture empowers your full workforce with the knowledge of your experts through AR. Using Vuforia Expert Capture, your experts can capture first-person, step-by-step video of procedures as they perform them. They can control the entire capture process by voice commands, gestures, and include location-based steps. Once they capture a procedure, they can revise and enhance it, then publish. Other employees can access completed work instructions through the Vuforia View app.

Augmented reality makes human labor 30–50% more efficient.

Modernize training and work instructions

With Vuforia Studio, you can create game-changing AR experiences tailored to specific audiences and deploy them via desktop, mobile and wearable devices. Get up and running quickly using a drag-and-drop interface. No prior coding knowledge is required, and you can leverage existing 3D data, animated sequences and IoT data.

Stay connected while working remotely

Vuforia Chalk is a collaborative remote assistance tool that uses AR to help employees who need to share real-time instructions and guidance without being physically on site to increase workforce effectiveness and efficiency.

Experts can see and discuss situations in the field and guide technicians through a process, step-by-step, without the need for travel or repeat technician visits. Both technicians and experts can use their fingers on the screen to draw digital annotations that accurately anchor to physical objects.

With AR:

Work instructions become handsfree and are delivered in real time where assembly or field service take place.

Tribal knowledge of experienced workers is easily captured and shared with new workers and service technicians.

Remote expertise can be delivered to workers no matter where they are in the world.

Training manuals and videos become a thing of the past. AR training has been proven to be more effective and efficient.
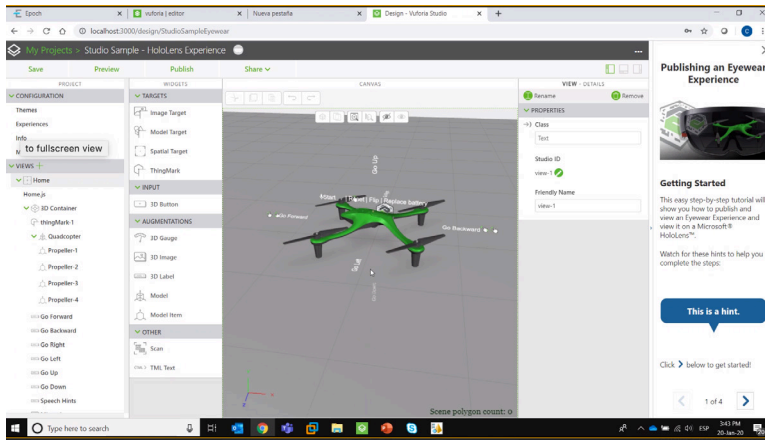
Quickly create and deliver AR content

InnovationSuite Vuforia tools allow you to quickly create and deliver AR content to transform your operations, facilitate knowledge transfer and improve your profitability. Deliver game-changing AR experiences that drive better effectiveness within common industrial use cases, like workforce instruction, training and service.
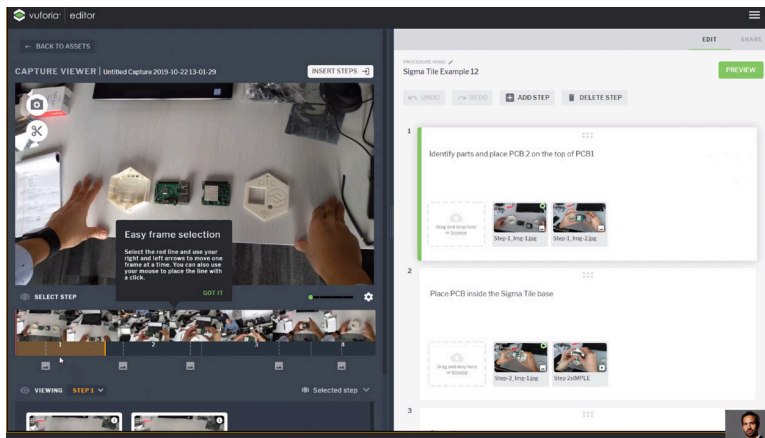
Easily create and consume AR experiences

Vuforia tools create and deliver easily consumable instructions with new or existing media content/capture, 2D and 3D content, sequences, IoT data and real-time annotations. You can deploy AR experiences authored in Vuforia to the cloud or on premises, and users can access them from smartphones, tablets and wearable devices via a single universal viewer application.

Improve quality and productivity

Your workers will be more productive and generate higher-quality products more safely. You'll be able to train workers faster and more effectively so they can make proactive decisions and perform better. With trained and productive workers, you'll see lower costs and improved time to market.

Ready to get started?

Rockwell Automation and PTC have created a unique combination of information software, services, delivery, scalable computing options and world-class partnerships to give you the end-to-end solution that best fits your needs, whether it's on premises, hybrid or delivered through the Microsoft Azure platform.

We won't leave your side during your journey.

Meet the digitally augmented, multi-skilled worker

From their hats down to their boots, the workforce is becoming more connected. This narrows the skills gap and helps you increase productivity by optimizing information capture and delivery.

Whether you're using remote experts to guide on-site technicians through AR-enabled headsets or leveraging 3D-based work instructions, these solutions empower your workforce with actionable, augmented intelligence to improve productivity and quality, while avoiding safety and compliance risks.

Watch this **on-demand webinar** for a breakdown of the results from the recent LNS Connected Worker study. We provide examples, guidelines and best practices from our Connected Worker program that you can use to start or augment your own program.

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