AR / IIoT
Solutions

ImageGrafix — Computer Solutions for Engineers

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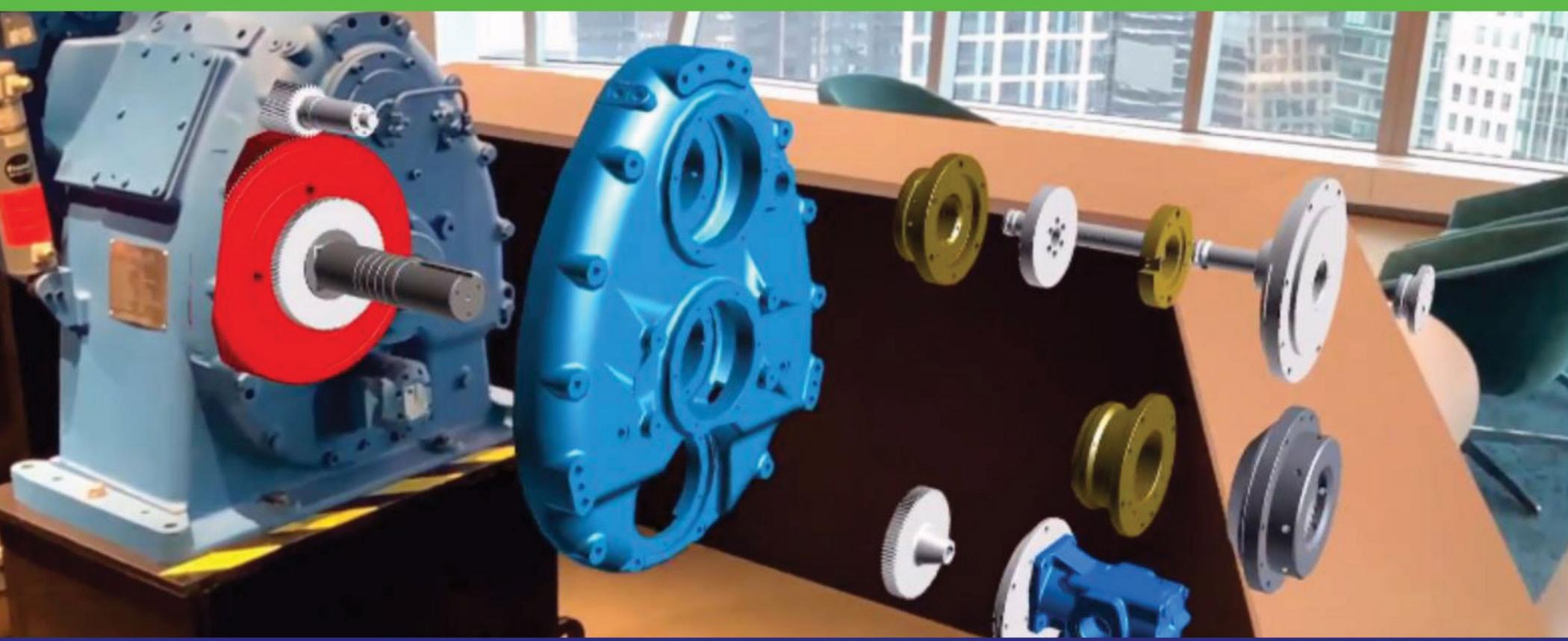
vuforia® studio™

CONNECTING FRONT LINE WORKERS TO CRITICAL INFORMATION WITH AUGMENTED REALITY

Improve workforce training and performance, deliver differentiated service, and enhance customer experiences Vuforia Studio is the most flexible, efficient way to author and scale 3 D augmented training content, step by step instructions, and virtual product demonstrations across the Industrial Enterprise These easy to consume experiences connect employees and customers to the relevant information they need to do their jobs successfully

Scalable AR Content on Demand and In Context

Vuforia Studio allows technical content creators to transform existing 3 D CAD or scan data, into detailed AR experiences tailored to specific product models and configurations

These experiences may also include 3 D animations, IoT and business systems data to help employees and customers better understand how to operate, maintain and demonstrate complex equipment in the context of their physical work environments

Experiences authored in Vuforia Studio can be deployed to the cloud or on premise and viewed anywhere, anytime on industry leading devices across the enterprise

WHY VUFORIA STUDIO?

Optimize Learning & Performance
Improve worker safety, efficiency and understanding for complex tasks with interactive 3D AR experiences including virtual product componentry and IoT data visualization

Reduce Time & Cost of Training
Virtual and On Asset training content enables distance learning and remote training while increasing engagement, retention and understanding in less time than traditional methods.

Improve Field Service
Step by step instructions and easy parts identification for many different product configurations help field engineers perform at a higher level and reduce time to repair

Improve Field Service
Provide end customers with differentiated service through visual product companions and self service/operate/train AR experiences that improve operational efficiency and reduce downtime

With augmented reality, students can learn faster and get more comfortable with the material. We wanted them to learn more quickly how complex systems work and become familiar with maintenance and inspection tasks."
— Joseph Gelardi, CEO, Vectrona
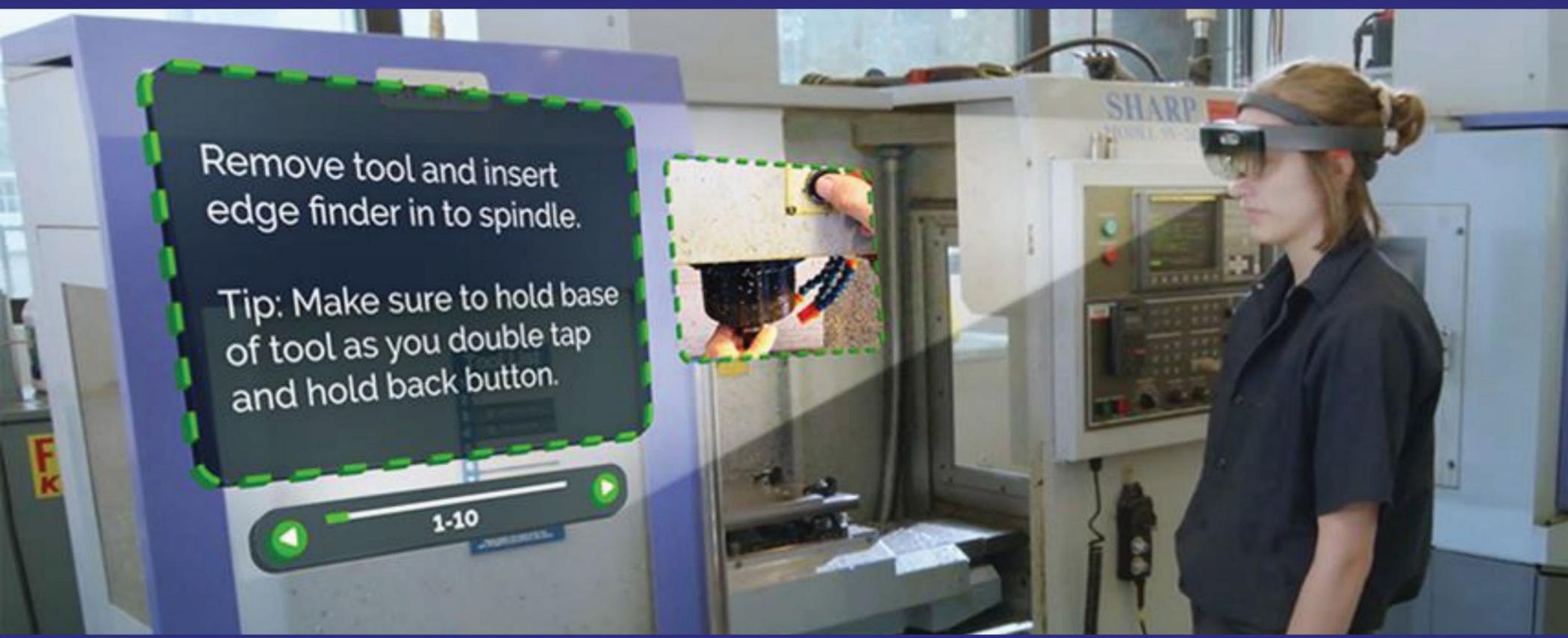
vuforia® expert capture™

SCALE EXPERT KNOWLEDGE TO YOUR FRONTLINE WORKERS

With a retiring demographic exiting the workforce, the need to harness and scale tacit domain knowledge is vital for industrial manufacturers to remain competitive and productive Leveraging the years of expertise from your most seasoned experts is an important strategy to implement to make sure that your employees and manufacturing operations run as efficiently as possible

Easily Create and Share Knowledge Across The Enterprise

Vuforia Expert Capture is the easiest way to capture knowledge from subject matter experts to help build and share knowledge based AR work instructions across the organization

With innovative capture capabilities combined with simplified authoring manufacturers can build easy to consume AR guided procedures that help frontline workers perform their jobs more productively, accurately, and safely Through better instructions and guidance, dividends can be seen in a variety of ways across the business to better support manufacturing, service and training operations

WHY VUFORIA EXPERT CAPTURE?

Capture and Retain Knowledge
Easily capture domain expertise and provide it to frontline workers on demand and in context as they perform new or unfamiliar tasks.

Increase Workforce Productivity
Improve frontline worker efficiency by making the best practices of your experts the standard practice for all employees.

Improve Employee Training
Bring new hires and current employees up to speed faster with in context guidance to help reduce the time and cost of training and to improve workforce safety and agility.

Foster Continuous Improvement
Critical data and insights can be gathered at the frontline and then analyzed to identify patterns and opportunities for process improvement and facilitating corrective action.

Vuforia Expert Capture helps KEMET improve our training and enhance the learning of our employees. We're focused on capturing the technical training now to prepare them and us for the future.

— Debra Lovelace, Director, Training and Development, KEMET
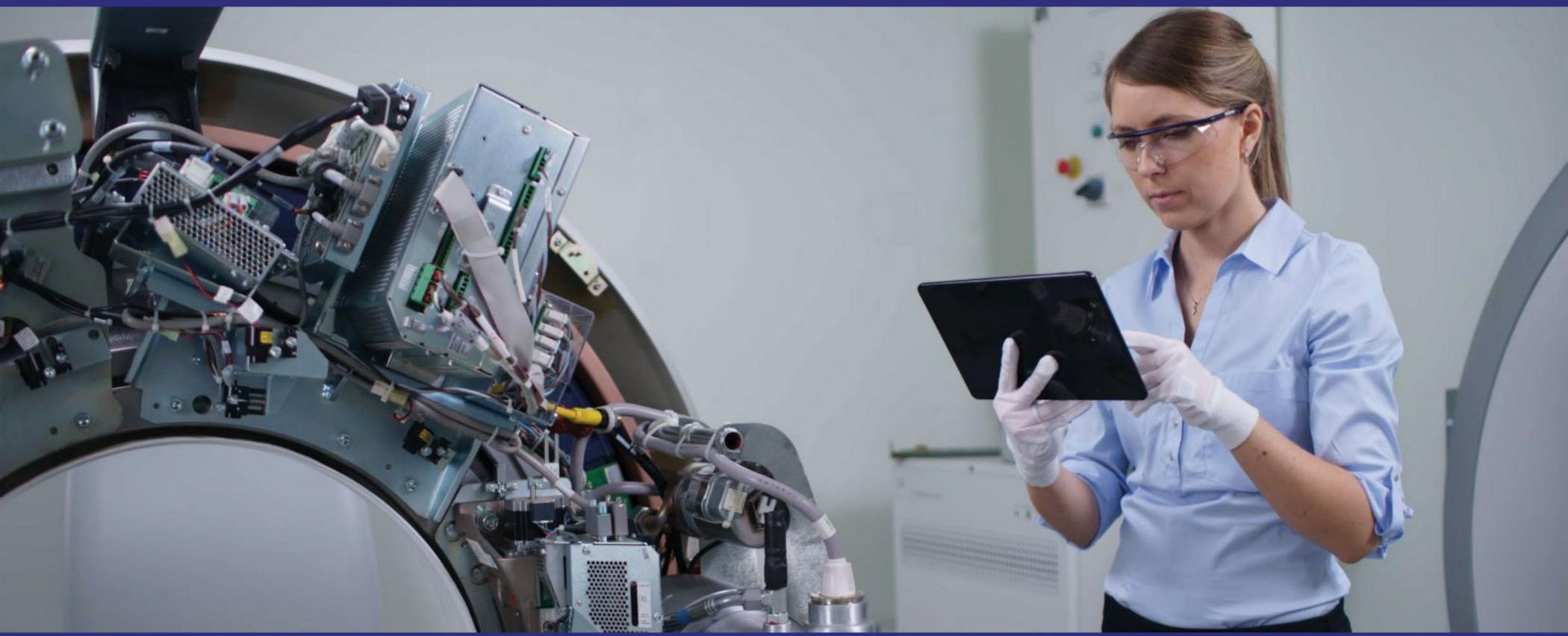
vuforia® chalk™

EXPERT SUPPORT AT SCALE WITH AR REMOTE ASSISTANCE

Quickly scale problem-solving guidance, support and expertise to your factory operations & service teams with augmented reality. Vuforia Chalk is a powerful collaboration and communication tool for your organization's experts to provide real-time assistance to technicians facing complex or unfamiliar challenges.

Collaborative AR enables limitless reach for expert guidance

Vuforia Chalk combines advanced augmented reality (AR) with real-time communications to connect a field technician with an expert so that the expert can see and discuss the situation in the field. Technicians and experts can draw digital annotations on a mobile screen or desktop that accurately stick to 3D physical objects, allowing the expert to guide the technician through a process, step-by-step. With more accurate annotations, experts and technicians spend less time resolving issues, increasing operational productivity and efficiency.

Vuforia Chalk delivers faster resolution without the time and expense of expert travel or repeat technician visits.

WHY VUFORIA CHALK?

Reduce Operational and Service Costs
Reduce the overall time it takes for frontline workers to make repairs and resolve issues, while also minimizing technician travel costs.

Drive Workforce Productivity
Accelerate troubleshooting and problem solving by fostering real-time collaboration between on-site technicians and offsite remote experts.

Increase Customer Satisfaction
Minimize downtime by ensuring that technicians fix things correctly on the first try, while providing customers the opportunity to perform their own repairs or maintenance via guided self-service.

Improve Employee Experiences
Boost employee confidence and collaboration by providing real-time support and guidance that accelerates decisionmaking and problem solving.

Improve Safety and Compliance
Providing novice employees with live expert guidance and mentoring improves safety and compliance when working in dangerous environments.

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