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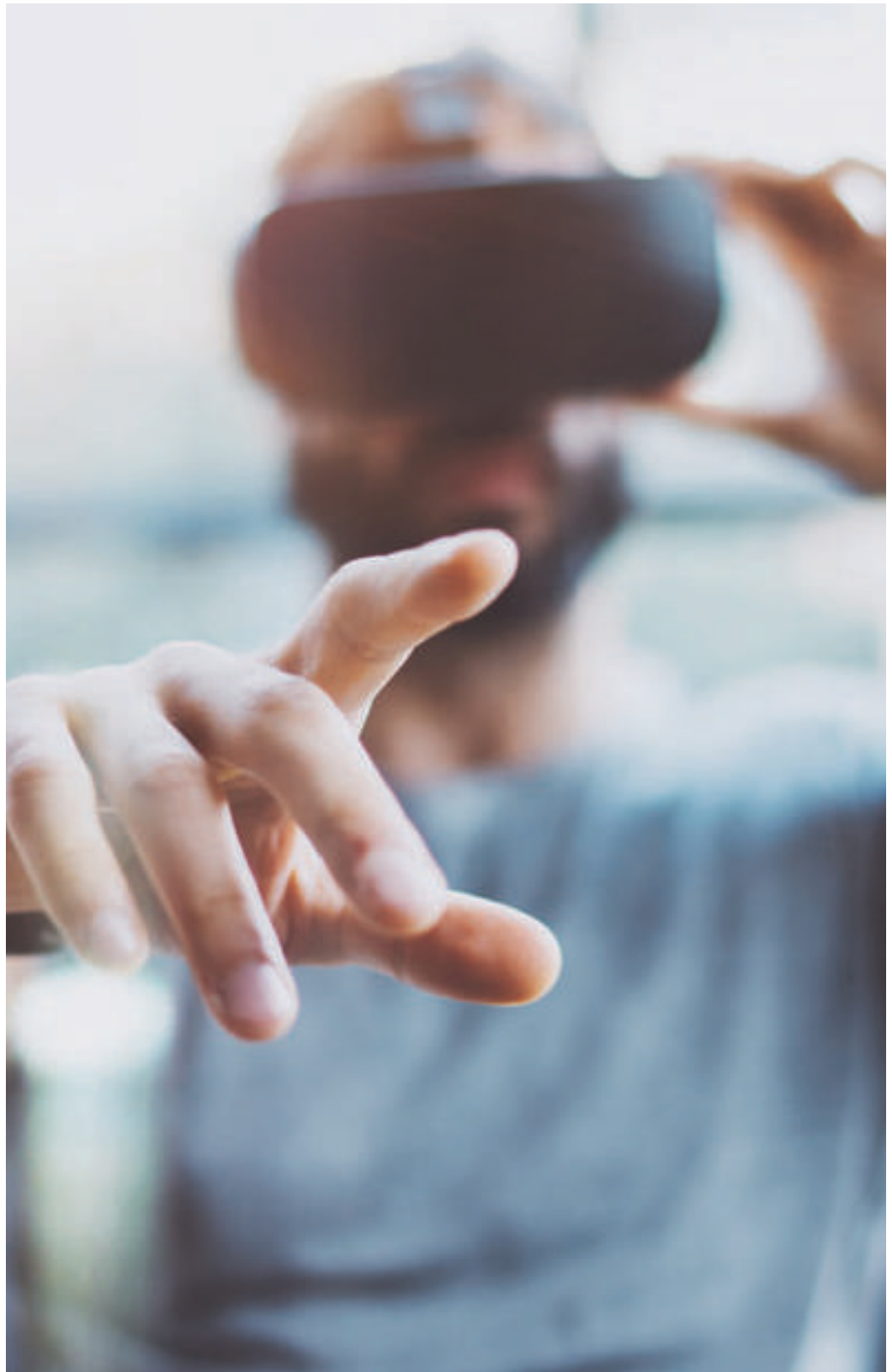
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HP AND DISTI PARTNERSHIP FAQ



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WHAT IS THE PARTNERSHIP BETWEEN HP AND DISTI?

It's a combined hardware and software procedural training solution designed to eliminate the stress and time of selecting the right ecosystem of PC, HMD, and software for developing and publishing virtual maintenance training. The hardware and software have been fully tested to work together perfectly to create a virtual training solution with best-in-class hardware and a patented, proven virtual training solution content management platform.

WHAT IS THE DISTI SOFTWARE?

DiSTI is the developer of VE Studio development platform—a complete out-of-the-box training solution that enables delivery of training content to multiple devices (desktop, laptop, tablet, VR, AR, etc.). DiSTI has over a decade of successful deliveries, establishing VE Studio as the clear market leader in virtual maintenance training. Turn-key options and fully custom virtual training software solutions are available. Such software can be leveraged to create and publish your own training. Any sudden changes in training requirements can be accommodated and slip-streamed into production and republished without recoding the virtual environment. And content created is reusable in other applications.

WHAT ABOUT HP HARDWARE?

HP offers several hardware options that can be tailored to your specific training needs. HP offers the world's first professional wearable VR PC¹. A variety of VR Ready workstation desktop and laptop options are also available based on application needs. VR Ready HP hardware delivers fast processing power and the latest high-fidelity graphics for visually rich VR content without dropped frames. Experience real-time and smooth performance on graphics-intensive projects.

ARE HEAD-MOUNT DISPLAYS (HMDS) INCLUDED?

HP currently offers two HMDs solutions that may be purchased separately:

- HTC Vive Business Edition: use virtual reality in innovative ways that grow and develop your enterprise, whether seated, standing and even in multi-user, room-scale environments with the HTC VIVE Business Edition headset and controllers and SteamVR Tracking technology.
- HP Windows Mixed Reality Headset - Professional Edition: Designed to deliver cutting-edge visual quality and superb comfort, the HP Windows Mixed Reality Headset – Professional Edition with controllers puts the magic of immersive computing within reach with. An easy setup and straightforward adjustments make it simple to jump right into the action without missing a beat.

WHAT MARKETS BENEFIT FROM THIS SOLUTION?

While VR training is applicable to a wide variety of markets and industries, there is currently significant usage of virtual maintenance trainers (i.e. VE Studio) in aerospace/defense, automotive, medical, energy, and industrial applications. Customers apply this technology to create simulations for maintenance & repair training, rehearsing safety critical procedures, and technical certification assessment. Customers can re-purpose the content for other application use such as sales & marketing enablement, creating immersive sales tools such as product configurators that expand the buyer engagement tools on websites or mobile devices.



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WHY USE VR IN TRAINING?

VR is a powerful tool that empowers companies to train and qualify their employees in a motivating and effective way while saving significant costs. The benefits can be bucketed into two components: better employee training and reduced organizational costs.

1. Enhance learning, prevent distractions, and ensure training effectiveness.
 - a. 'Learn by doing' in VR, the most effective means to learn
 - b. Realistic, scenario based training
 - c. Different contexts and situations in VR
 - d. Instant feedback and repetition
 - e. Immersive experience that engages many human senses
2. Save costs and reduce complexity while maintaining high quality standards.
 - a. Reduce training center equipment, real estate, and maintenance costs
 - b. VR is mobile so corporations can eliminate travel expenses to visit training centers
 - c. VR is distributed and scalable so less instructors are needed
 - d. Avoid costly errors that inexperienced employees make, particularly during on-the-job training
 - e. Increased throughput of students

Specifically, for maintenance training, hands-on processes are difficult to simulate in training centers and often result in costly mistakes. VR enables training to occur anywhere in a safe environment and deployed to any device, providing flexibility and cost savings. Through VR, your workforce can be trained realistically, safely, and efficiently by easily providing an experience that replicates the real-world environment and processes in rich detail.

HOW DOES THE VE STUDIO LICENSING WORK?

Two licenses are available:

- Developer licenses are purchased for each workstation creating VMT content on the VE Studio platform
- Run-time licenses are distributed for the creation and distribution of the virtual maintenance trainer within the enterprise

Custom support and professional services (e.g. assisting building a customized VMT) are also available.

The number of licenses required depend on the size of the development team and the number of projects being published. A number of pre-packaged bundles will be offered from getting started to full enterprise-wide deployment

The DISTI Professional services team has over 75 VMT's under their belt for both aerospace/defense and commercial successes. Their patented processes combined with VE Studio's tools will support your customer's program from an introductory trial to full scale virtual training solution deployment of any size.

HOW DO I GET STARTED USING VE STUDIO?

Contact your local HP workstation sales representative to discuss VMT options for your specific needs. Or email VEStudioPartnership@hp.com for more information.



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WHAT IS THE DEVELOPMENT CYCLE LIKE?

Analyze. Develop. Build. Test. Render. It's not just an idea, it's DiSTI's proven production process. Delivering more capability than a game engine, VE Studio on HP hardware comprehensively manages environment development beginning with project requirement identification and analysis, and continues through source data collection, automatic code generation, software build automation, automated regression testing, and final publishing of the virtual training solution.

HOW IS THIS DIFFERENT THAN DEVELOPING UNDER UNITY?

For application developers creating 3D virtual environments for maintenance training who struggle using commercial game engines, VE Studio is a development toolkit that provides a proven process to efficiently create interactive 3D content. Unlike Unity by itself, VE Studio offers a database-centric production pipeline to efficiently manage 3D environment development. It reduces the time to develop, publish and maintain virtual environments without hard-coding the published run times. As the training evolves, changes in content can be easily slip-steamed and republished without recoding the entire virtual environment.

WHAT DOES SUCH A VIRTUAL TRAINING SOLUTION CONSIST OF?

The anatomy of a Virtual Maintenance Trainer consists of simulation software logic, HP computer hardware and displays, and a 3D virtual environment that serves as the interactive front end for the students and instructors. DiSTI is the recognized leader in the production of these virtual environments. Our virtual environments are found in maintenance training devices that demand the highest level of fidelity and accuracy.

Sources and legal disclaimers

¹ Based on backpack VR PCs with Intel® vPro™, TPM 2.0 and Windows 10 Pro OS as of July 20, 2017.

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