

EXTRACT

Extended Reality Application for Cockpit Training



Extended Reality in combination with static flight training devices provides the air force with a highly effective solution that deploys in high volumes at low cost.

Global Simulations Incorporated and DiSTI propose the development of EXTRACT; the Extended Reality Application for Cockpit Training. EXTRACT builds upon GSI's expertise in simulation system design using DISTI's commercially available VE Studio virtual training development platform.

Watch the video online at: <https://youtu.be/P0fjZYoejM>

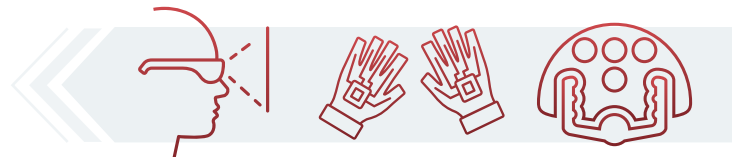
USE CASE 1:

Mixed-reality overlay of graphical content onto recycled physical cockpits from traditional domed flight simulators enabling the continued use of these recently retired devices.



USE CASE 2:

Use haptic gloves and mixed-reality devices with physical cockpits that are not wired for use in a traditional flight simulator; for example, a 3D printed cockpit; offering a more accessible alternative relying on connected cockpits.

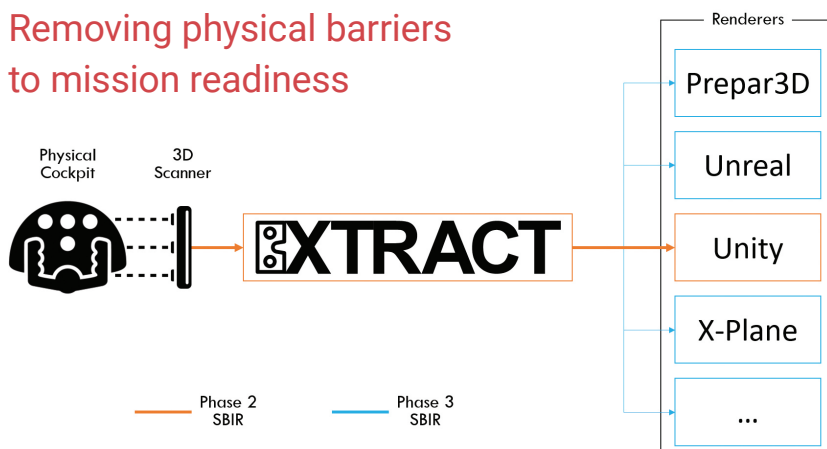


USE CASE 3:

Combined use of haptic gloves and virtual reality to completely replace the need for a physical cockpit ensuring that pilots stay procedure proficient without relying on physical hardware.



Removing physical barriers to mission readiness



An effective approach that's based on a "Develop once - deploy everywhere" capability.