

Cutting-Edge Virtual Reality Simulator and Capability Assessment Verification Environments (CAVE)



Experience & Expertise:

Leveraging 17 years of visual systems experience and 8 years of focus on VR, AR, MR, and XR, we utilize the NVIDIA Omniverse Platform and OpenUSD sandboxes to deliver Virtual Reality Simulators and other customer solutions.

VAR Products:

As a Value-Added Reseller, we specialize in customizing products with AR, MR, XR, AI/ML, Digital Twins, and Robotics as required to meet customer needs.

OEM Products:

We have developed various useful, special, and unique capabilities in XR space and provided solutions to customers since 2016.

Customization:

We offer customizable interfaces, dashboards, and language options.



Virtual Reality Simulators Available Today – including CAVE

Military, Defense & Security:

Operator Training: Aircraft Radar, Machine Gun Shooting, Military Truck Driving, Naval Ship Maneuvering, Submarine Kinematics, Periscope Operations, and Virtual Hand Gun Shooting Simulators. Shooters use analog guns, not mice.

Nuclear:

Small Modular Reactor (SMR) virtual environment for simulating functional design, operations, and operations analysis.

Industrial and Construction:

Operator Training: Backhoe Operator, Forklift Operator, Heavy Vehicle Driver, Virtual Tour of Oil and Gas Facility, and Welding Operator Training Simulators.

Capability Assessment and Validation Environment (CAVE):

Multi-purpose immersive environment, current application for planning drilling operations, modeling complex oil and gas facilities. Can be adapted to a wide range of design, development, and operations centers.

Infrastructure:

Subway Simulator applicable for tube transport and above-ground roads, railways, transport corridors, etc.

Agriculture:

Operator Training: Self-propelled fertilizer/herbicide sprayer simulator.

Contact

Bo Varga, Business Development
varga@prefixa.com, 415-260-6540

