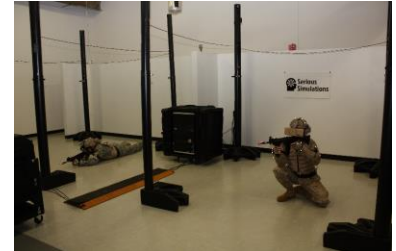


Serious Simulations is a Veteran-owned company (VOSB) located in Orlando's Central Florida Research Park.

Proven Capabilities:

- **Individual/Group Simulator Design** – ready2train™ accomplishes human motion based, full immersion Virtual Reality simulation training. Our reconfigurable, portable, expandable hardware/ software tech also serves Professional Training needs for police, sports, and location based entertainment



- **Weapon expertise** – we make standard firearms into “smart weapons” for operations and simulation using patented unobtrusive instrumentation appliques and weapon mounted miniature computers

- **Technology leader in wireless VR/AR HMD development** - the world's only High Resolution, wide Field of View (130 degrees), head mounted wireless VR display, and unique wireless AR displays.



- **Proven experience in weapon simulation and tracking** – patented approaches for real weapons in training, and tracking devices including the development of an innovative zero drift high resolution machine gun tracker

Realism is our design philosophy



* Winner of Orlando Business Journal's Top 10 Innovations in Technology Award 2018*

Winner of Chicago Athenaeum's International Good Design Award for Electronics in 2017



Products

Serious ArtIKulations™

Unique software plug-in for using human motion tracking data and Inverse Kinematic solvers to articulate VBS3 avatars in realtime interactive simulations.



Peripheral Vision Immersive Device (PVID-Pro™ Wireless)

World's only wireless, high resolution, wide field of view VR HMD supporting human peripheral vision, and using high quality optics for identifying targets at long distances. Winner of 2017 International Good Design Award for Electronics.

Wireless VR and AR Transmission Tech

Patented technology for the lowest latency wireless uncompressed video, audio, data transfer for use in simulation and entertainment. Latency in under 20 microseconds and resolutions in 2K to 4K range at 60 -90 FPS. Gen 1 *Reformatter™* available now, Gen 2 is pending release.



Weapon Skins™

Patented snap-on sensor technology for instrumenting real weapons without modification for use in interactive simulations and/or field training exercises. Rifles, pistols, machineguns. Self-contained with power, wireless communications, internal and Pic Rail USB hubs.

ATS™ Weapon mounted computer

Innovative and exclusive embedding of the Armament Training System mini-computer for training and operations. Adds real time processing, machine learning, data analytics, additional sensors, communications with NettWarrior, and video and audio capture to weapons.

PowerButt™

Patented power provision, management, and protection for all weapon mounted electronic devices. Eliminates diverse battery needs and reduces weight/balance issues for improved accuracy.



Accutrack™

Patented tracker for machinegun mounts that eliminates 100% of virtual drift issues in simulators, and increases accuracy to 1/100th of a degree. Motorized versions in development for operational purposes.

www.serioussimulations.com