

Security & Defense

As defense and security forces delve deeper into newer technologies for training and equipping soldiers and security personnel, VR offers a robust digital platform for creating scenarios similar to real-life including on-field medical assistance, live combat, boot camp exercises, rescue operations and other relevant military and security training.

Ongoing defense cuts and the need to generate savings in training budgets and reduce accidents during exercises has seen rapid adoption of VR among the security and defense sector.





VR solutions can deliver on-demand and personalized training, providing a greater degree of realism, reducing the risk of damage or injury, and better preparing operators for their deployments. These include

- Combat Readiness Training (Defense)
- Hostage Rescue Operations (Security)

Combat Readiness Training (Defense)

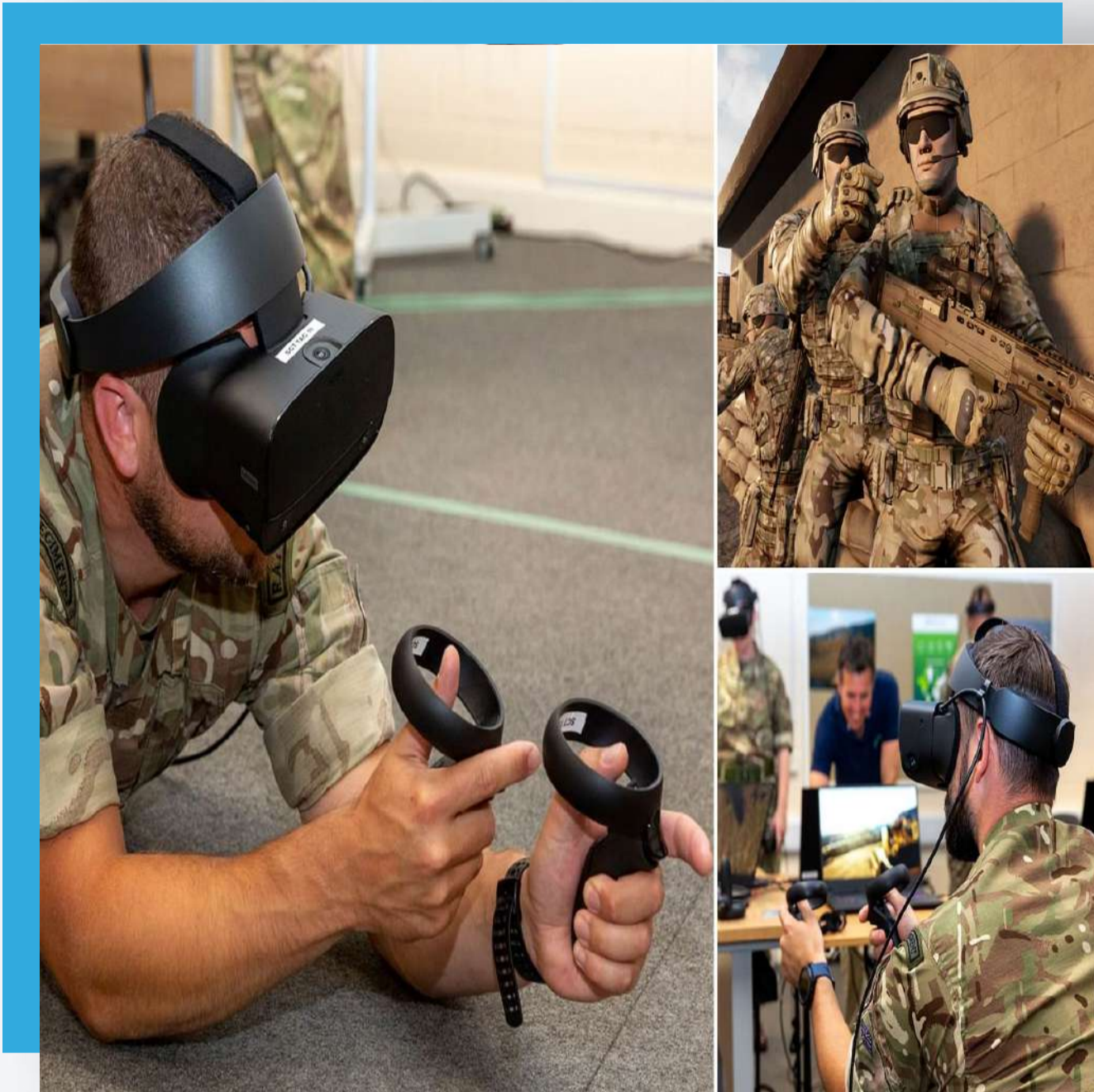
VR Training is a great way to give military personnel the chance to learn crucial skills to survive in high pressure, dangerous and diverse environments, all within a safe, risk-free space. It can help individuals to hone their combat and decision-making skills in reaction to varying scenarios, as well as tactical and strategic thinking.

VR training is not restricted by the availability of training sites, weather conditions or the consumption of equipment. This can enhance training efficiency and shorten the period in which combat capability is generated.

As VR training can also combine haptic technology, it provides a great tool for activity related training, such as weapon handling, as well as practicing potentially life threatening activities such as parachute jumps. It can also help personnel to acclimatize to working with, and in, claustrophobic military equipment environments, such as submarines and tanks.

By undertaking VR training, soldiers can learn how to handle high stress situations and improve a range of skills, from effective communications through to critical combat techniques. It can also help them to learn how to deal with hostile environments, such as suicide bombing or sniper attacks.





Hostage Rescue Operations(Security)

In the real world, people who sign on to be cops, need extensive training to make the split-second judgments that would protect themselves, rescue the innocent, and disarm or disable hostage-takers.

To widen access to such training, lessen its cost yet broaden its focus, a VR simulation that allows law enforcement teams to grip guns, don virtual reality glasses, and burst into the harsh environment of hostage-takers can be created.

The virtual participant's job is to determine who the hostages are and save them, take prisoner those kidnappers who surrender, and shoot those who fire weapons. It's less like a video game and more like a flight simulator. It familiarizes law enforcement teams with scenarios.

Human participants are monitored by sensors placed on their backs and hands. Signals from this electronic equipment determine the perspectives through which each participant sees events. Humans are represented in the scenario by graphical figures.

The advantage is that multiple human participants can appear in embodied forms within a common, shared virtual environment. They can experience situations in which they otherwise would have no opportunity to practice effective responses.



Contact

 Murali Barathi

 murali@kaleidozone.com

 +1 (510)509-5966

 Raj B Kumar

 raj@kaleidozone.com

 +91 98400 33154

 WWW.XTRABLAST.COM/SERVICES