

XR-SIM: MISSION REHEARSAL

XR-Sim: Mission Rehearsal delivers a virtual reality (VR), multidomain training environment geared to mid- to senior-level military leaders to use at any location.

When conducting training, Combat Training Centers replicate many threats service members will face, but not the entire environment. By visualizing how effects in Air, Land, Sea, Cyber, and Space domains occur and influence each other, XR-Sim: Mission Rehearsal provides a multidomain picture of the battlespace in a virtually risk-free environment, enabling better operational decisions.

FEATURES:

- + **INTEROPERABILITY:** Open architecture allows integration across game engines and can communicate through both Distributed Interactive Simulation (DIS) and High-level Architecture (HLA).
- + **AFTER-ACTION REPORT:** Feedback on how the user takes advantage of information helps refine analytic skills in fast-paced environments, leading to more informed decision making and actions.
- + **MULTIPLAYER:** Up to 10 geographically separate users can interact with each other, enabling virtual training without the travel requirements.
- + **DOMAIN SELECTION:** The selection affects perspective and visualization, allowing for a focused view and integration of multidomain impacts.
- + **GAME-BASED AI:** Creates a repeatable model, using tailorable decision trees to guide the adversary's actions throughout the mission, allowing for repeatable actions to aid in assessing the user's decision-making.
- + **GEO-SPECIFIC TERRAIN:** Game-engine plugins bring in geographically accurate terrain, be it a National Training Complex or a Pacific island.

About Booz Allen

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Terrain Showing Multidomain Operations (MDO)