

# CACI's eXtended Reality Solutions Lab



## CACI eXtended Reality Transforms Capability and Competencies

CACI's eXtended Reality Solutions Lab (XRSL) delivers innovative visualization, virtualization and risk mitigation technologies and capabilities for customers. Interactive multimedia, augmented reality (AR), virtual reality (VR), and mixed reality (MR) solutions improve organizational effectiveness and workforce development, and enhance business capability. Interactive multimedia instruction (IMI) and extended reality (XR) are accelerating how people learn and connect with information, experience complex and high-risk operational environments, and engage in live, virtual, and constructive (LVC) scenarios.

Using Agile development protocols and proprietary foundation code, our XR transforms how customers engage their workforce and stakeholders, operate and train critical skills, execute missions, and deliver results. Our engineers and instructional designers create multi-layer, multi-player capabilities that interact with real-world data and information to enhance and improve spatial visualization, mitigation of high-risk field operations, data center management, ship construction and configuration, combat system engineering, human systems engineering, behavioral performance measurement, and more.

CACI's XRSL hosts an extensive collection of XR solutions that showcase diverse levels of functionality and interactivity. The XRSL's virtual world of possibilities house an enormous depth and breadth of capability and innovative options available to customers to respond to the toughest organizational and operational challenges. As we grow, we are incorporating enhancements such as streaming multiplayer, sensory, and holographic capabilities into our offerings.

For more information, contact:

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For more information about our  
expertise and technology visit:

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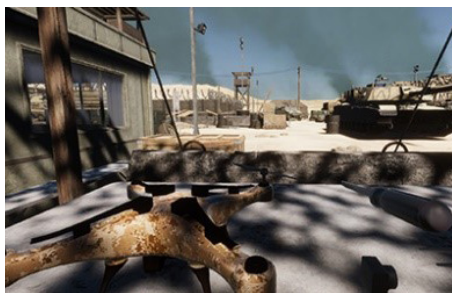
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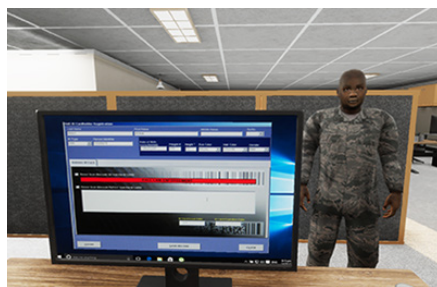
## Showcased XR Demonstrations

- High Risk Operating Environment: Chemical, biological, radiological, and nuclear (CBRN) defense survival skills
- Geospatial and Environmental Applications: Urban environmental Global Positioning System (GPS) reflecting current time zone, season, and hemisphere data to augment realism
- Deployed Operator-Maintainer Scenarios: AR/VR/MR/virtual maintenance trainer (VMT) embedded into a complex scenario for realistic field support
- Customer Service Support: Adaptive communications and direction



## Speech Recognition

Speech recognition can be used in place of traditional input devices, such as controllers or mouse and keyboard. Our speech recognition method uses phrase recognition because of its accuracy and flexibility when compared to other methods.



## Server Diagnostics and Repair Simulation

Multiple server racks are equipped with a fire suppression system and other various alarms. Users are tasked with server repairs while receiving feedback from the server system.



## Operating Environment

CACI's XR technology and solutions are designed for platforms using MS, iOS®, or Android™ operating systems. The XRSL is a Windows®-based platform that includes AR, VR, personal computer-simulation (PC-SIM), and cutting-edge IMI functionality that can be applied across the XR spectrum.



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