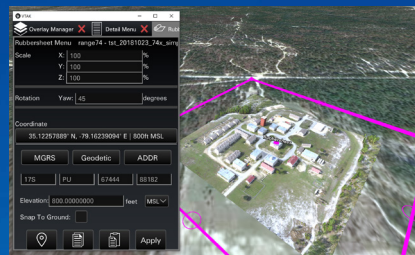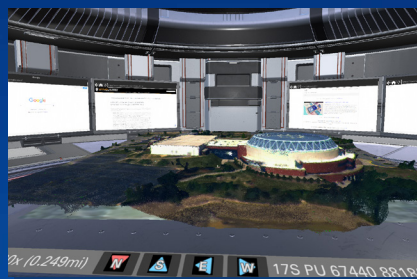# VIRTUAL REALITY TACTICAL ASSAULT KIT (VR-TAK™)

- **INTERACTIVE C2 3D APPLICATION**

- **UP-TO-DATE, ACCURATE TERRAIN DATA**
  Supports many different file formats

- **PART OF THE TACTICAL ASSAULT KIT (TAK) ECOSYSTEM**
  Same look and feel for ease of use

- **GOVERNMENT OFF-THE-SHELF (GOTS)**
  Free for government use / no license fees

High resolution terrain imagery in VR-TAK™

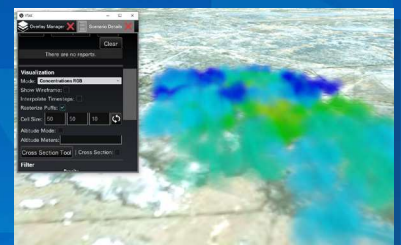## THE FUTURE OF SITUATIONAL AWARENESS TODAY

VR-TAK™ is a state-of-the-art Virtual Reality (VR) tool for Command and Control (C2) and mission planning. Users can import and interact with up-to-date user-generated or commercially available terrain datasets within the TAK ecosystem

- Perform mission planning and rehearsal with the latest 3D data
- Collaborate with other TAK users
- Annotate terrain and buildings, measure distances, place and rotate vehicles
- Share planned routes, go / no-go zones, and ground markers and imagery, in real-time
- Supports all major VR systems, plus desktop / non-VR
- Built with the Unreal Engine 5, the world's most advanced 3D-creation engine

CHEM / BIO TRAINING

Chem / Bio Training and Assessment in Simulated Conditions (CB TASC) is a plugin to VR-TAK™ that lets the warfighter train for attacks with chemical and biological agents, in a 3D environment driven by real-world scenarios and physics

- Practice donning PPE and reacting to sensor alerts / alarms
- Experience and react to chemical- and biological-agent exposure
- CB-TASC is the only virtual training environment that brings together TAK, STE, HPAC / JOULES, FXCODA, and sensor performance (VISE) in real time

ARA's unique combination of technical know-how and deep subject-matter expertise uniquely qualifies us to create game-changing technologies for training, planning, rehearsals, and communicating on the battlefield.

VIRTUAL REALITY TACTICAL ASSAULT KIT (VR-TAK™)

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Applied Research Associates, Inc. (ARA) was founded in 1979, in Albuquerque, New Mexico, to offer science and engineering research to solve problems of national importance. ARA delivers leading-edge products and solutions for national defense, homeland security, aerospace, healthcare, transportation, and manufacturing. With over 1,700 employee-owners at locations in the U.S. and Canada, ARA offers a broad range of technical expertise in defense technologies, civil engineering, computer software and simulation, systems analysis, biomedical engineering, environmental technologies, and blast testing and measurement.

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