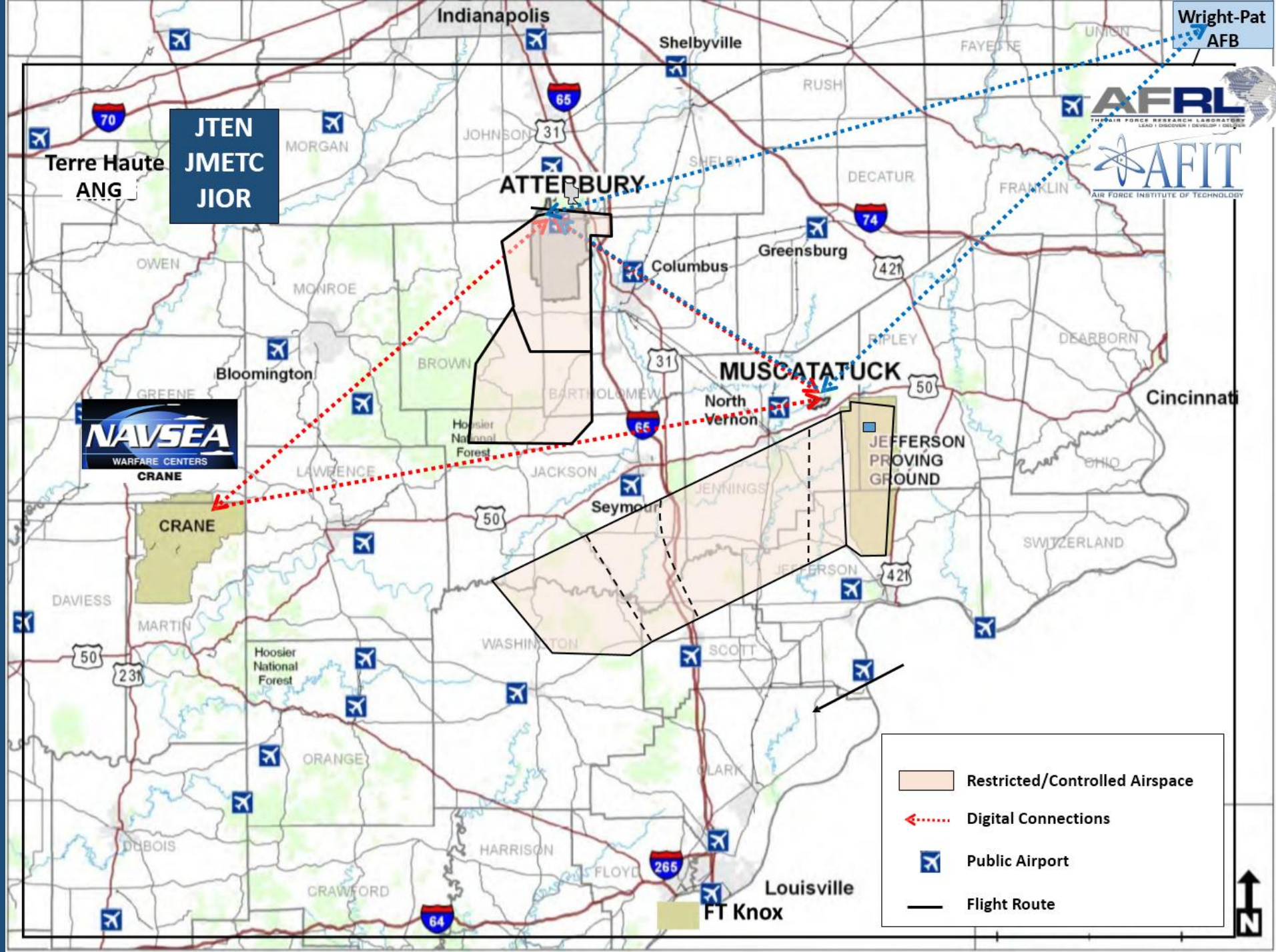Atterbury – Muscatatuck

# Atterbury-Muscatatuck Enterprise Overview

- Camp Atterbury Joint Maneuver Training Center
- Muscatatuck Urban Training Complex
- Camp Atterbury Air-Ground Range
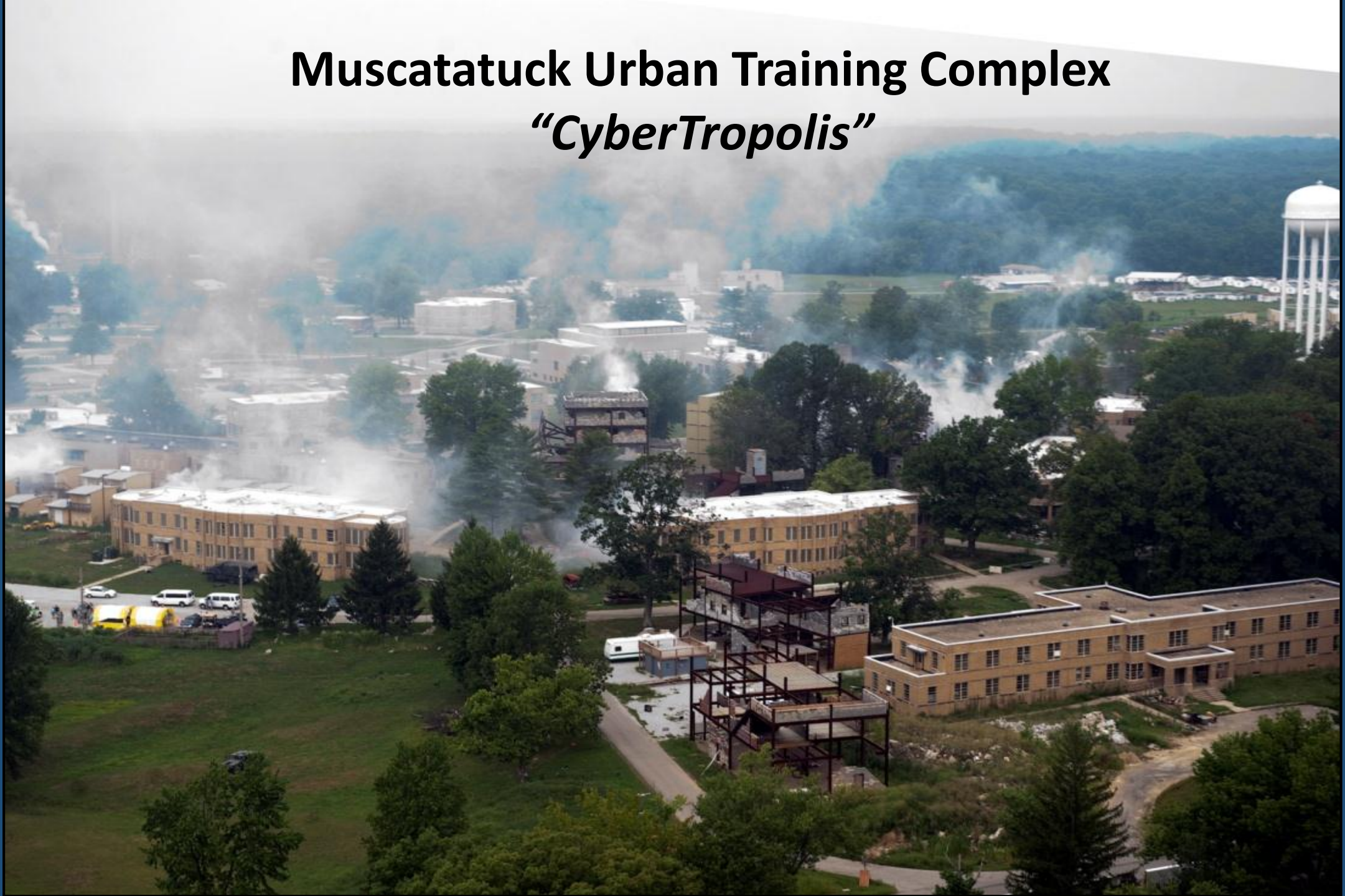- Jefferson Air-Ground Range

# Atterbury-Muscatatuck Enterprise – Missions

- Atterbury, 1 of 102 Army Installations
    - ARNG Enhanced Maneuver Training Center-Heavy (EMTC-H) Level I, 1 of 4
    - Army designated Primary Mobilization Force Generation Installation (pMFGI), 1 of 7
    - ARNG Mission Command Training Center, 1 of 4
    - Army listed Regional Collective Training Capability (RCTC) Installation, 1 of 25
- Muscatatuck Urban Training Complex, only DoD Advanced Urban Training Facility (AUTF)
    - Doctrinal Combined Arms Collective Training Facility (CACTF)
    - Certified Joint National Training Center (JNTC)
    - Associated Local Training Area (LTA) Panther, North Vernon Airport
- Atterbury Air-Ground Range (1 of 35 Air Force Air-Ground Ranges)
- Jefferson Air-Ground Range (1 of 35 Air Force Air-Ground Ranges)
- Regional Training Institute (1 of 62 Army National Guard RTIs)

**Muscatatuck Urban Training Complex**
*"CyberTropolis"*

# Mus-cat-ta-tuck



MY CAT IS STUCK

# Muscatatuck Urban Training Complex

- Founded as Indiana Farm Colony for Feeble Minded Youth (1919)
- Operated as the Muscatatuck State Hospital until 2004
- State of Indiana passed to INARNG possession in 2005
- Leased to the US Army in 2006 as the only DoD Advanced Urban Training Facility (AUTF)
- Licensed to the INARNG to operate on behalf of the Army
- 1,000 Acres, 400 acres of urban area, 185 acre reservoir
- 200+ Buildings (60 multi-story)
- 1 mi walk/.5 mi crawl Tunnels
- .25 mi Cave Complex
- 9 mi Roads
- Linked to 890 square miles of special-use airspace of which 168 square miles is restricted airspace

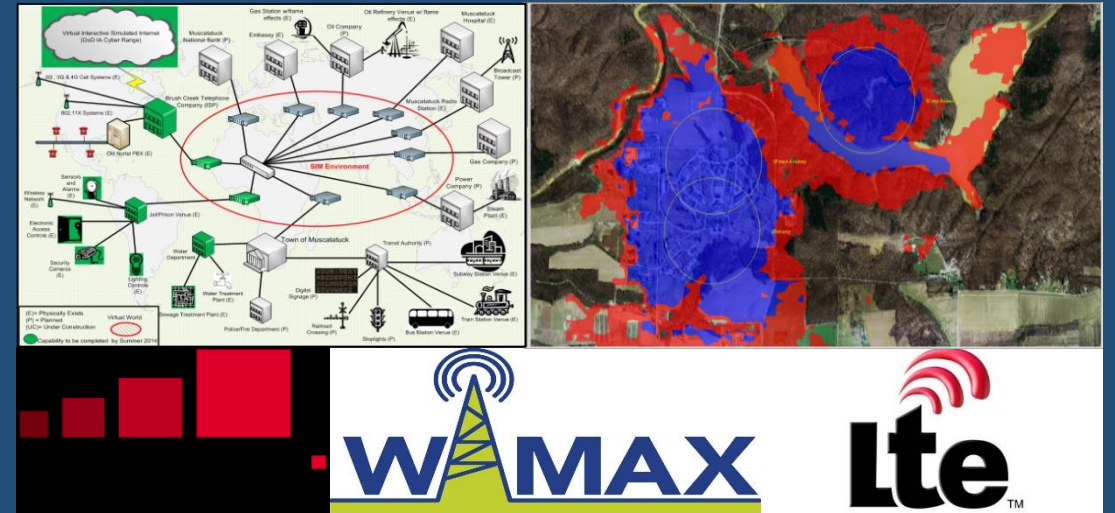# Value Proposition: 21ˢᵗ Century Operating Environment
*Complexity in 4 Dimensions*

**Airspace**

**Electromagnetic – Cyber**
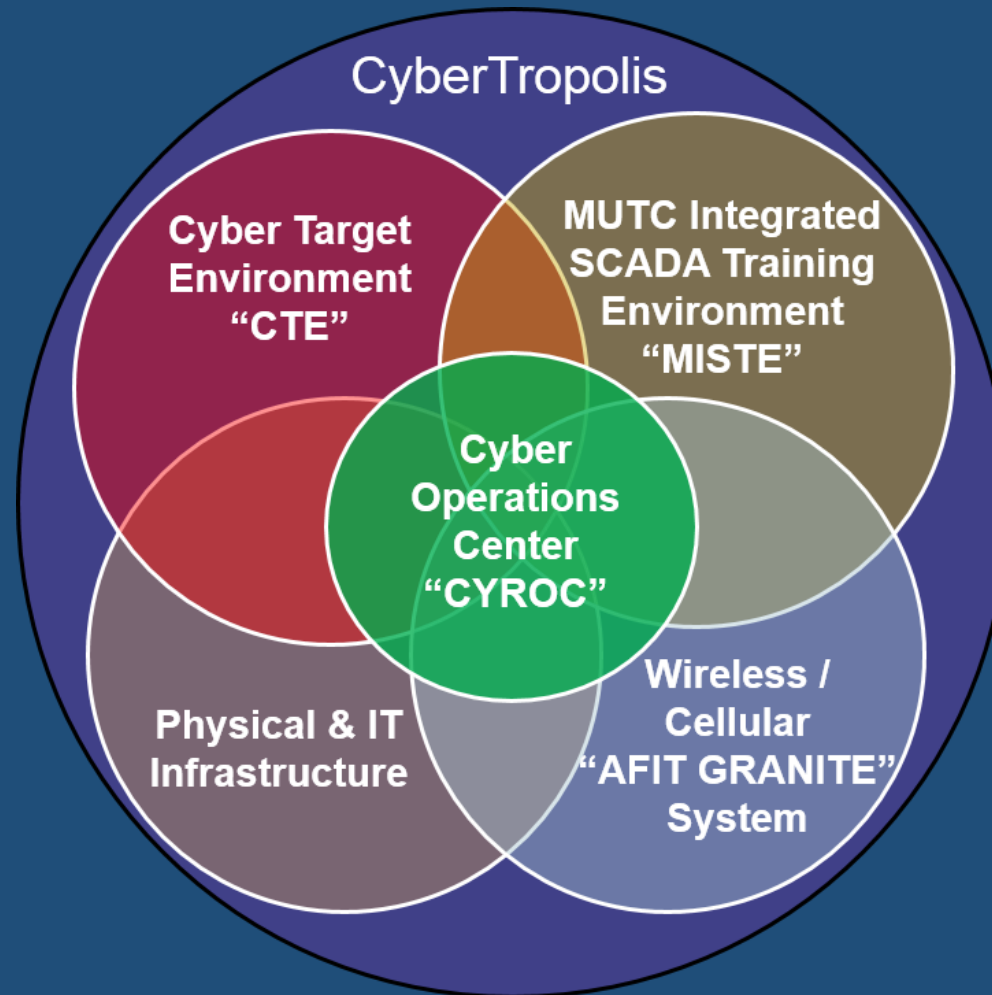
**Physical**

**Human**

# Complexity/Chaos Theory as applied to military operations

*Concept* - The central tenet to understanding Muscatatuck lies in Complexity and Chaos theory applied to military training operations. Both theories attempt to reconcile the unpredictability of nonlinear, dynamic systems with a sense of underlying order and structure. By understanding and operating "at the edge of chaos", organizations can learn to be innovative and adaptive. **

*Application* –  Create the most realistic environment possible by adding role players, props, animals, sights, smoke, sounds, and smells, to create a live simulation of a complex training scenario. Through application, Soldiers and Leaders can learn to innovate and adapt in complex situations during training, rather than when they arrive in a combat theater of operations.

** Levy, D. L. (2000). Applications and limitations of complexity theory in organization theory and strategy. *PUBLIC ADMINISTRATION AND PUBLIC POLICY, 79*, 67-88.

# CyberTropolis Framework

# So What?

- **Atterbury-Muscatatuck has a primary mission of training, but actively supports RDT&E by providing a real-world environment to the testing community**

- **Testing events are focused on the developmental testing and Proof-of-Concept phases of product lifecycle development**

- **Low-cost, partner-driven focus  (governmental organizations pay only incremental logistics costs)**

- **Robust RF environment, cyber-physical systems, and facility infrastructure create a highly realistic environment for rapid prototyping and testing of concepts and theories**

- **Distributed connectivity capability to connect to SDREN, JMETC and JIOR**

- **Atterbury-Muscatatuck often plays a "matchmaker" role to link testers with military units that are training on-site, as well as other testing partners with complementary capabilities**

- **As a kinetic training site, our facilities create testing opportunities that simply cannot be realized in a laboratory setting**

# Sounds great, but what's in it for Muscatatuck?

- **Muscatatuck capabilities far exceed what can be achieved through the normal DoD acquisition cycle**

- **We have accomplished this by partnering with traditional and non-traditional organizations using a "network-effect" model**

- **The overall value of Muscatatuck exceeds what any single partner could build in today's fiscal climate, we can only do it together**

- **Testing partners often integrate additional capabilities and systems to the site which add to the network effect model and keep us ahead of the normal equipment fielding curve**

- **These additional capabilities allow increased training and testing opportunities for everyone**

# Collaborators



-------------------------------------------------------------------- *Training*



-------------------------------------------------------------------- *Testing*

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