In an increasingly interconnected world, DoD is tasked with completing missions requiring cyber operator support. DoD has limited resources for continuing training. The cyber operator community is largely driven by outliers; experts creating new capabilities usable across the community. Our program aims to stimulate the creation of experts by bringing together the cyber and kinetic domains to create a highly motivational training experience.

**Approach**
Integration of realistic kinetic simulations with our existing cyber simulation capabilities can be used to create a gamified training experience that simulates the complex realities of a cyber-physical environment and also captures the attention of participants to drive emotional investment in the mission.

**Combined Landscape:** A fully modeled cyber-physical environment allows participants to explore and develop new strategies for completing their missions.

**Tactical Resources Defense:** Friendly assets are modeled in game and attackable. Failure to defend cyber terrain may result in loss of communications, or the crashing of intel drones.

**User Testing:** Events conducted as part of ISC2 High-school Summer Cyber Challenge to gauge effectiveness.

**Shared World:** Special Operators, Drone Operators, and Cyber Operators must work together cohesively to complete missions within the environment.

**STEP Technology:** Mature cyber range capability provided by STEP technology modified to allow seamless connection to kinetic simulations.