

United States Army Futures Command

Contested Logistics Cross-Functional Team



Contested Logistics Defined

“Contested Logistics is the act of planning, executing, and enabling the movement and support of military forces across multiple domains/environments across air, land, sea, space, cyber, and electromagnetic spectrum in a contested environment.” -JCCL



Precision Sustainment

Enabling rapid, data-driven, and resilient logistics by leveraging advances in artificial intelligence, machine learning, and other technologies

Problem Statement:

How do we use AI, LLMs, and ML to collect, store, process, and utilize key logistics and medical supply data to make better and faster decisions and provide more options for the means and mode of distribution?



HMI Supply & Distribution Systems

Developing human machine integrated formations deployable by ground, air, and sea while incorporating autonomous capabilities, extending Commanders' operational reach and endurance, while reducing risk to Soldiers

Problem Statement:

How do we autonomously distribute critical supplies (ammo, fuel, maintenance, medical) to land-based formations dispersed over extreme distances in a contested environment, independent of stationary or fixed facilities?



Advanced Power

Leveraging new technologies in power generation, storage, and re-charge that are more efficient and decrease logistics resupply requirements

Problem Statement:

How do we reduce need for consumable liquid fuels and batteries by integrating solutions in power generation, battery alternatives, hybrid drives, sustainable fuel technologies, and rapid fuel additives?



Demand Reduction

Utilizing advanced manufacturing, alternative fuels, and new materials to reduce soldier & platform weight and delivery times to meet requirements at point of need

Problem Statement:

How do we reduce the frequency & demand for resupply & distribution of critical supplies (ammo, fuel, maintenance, medical) to sustain Warfighters and increase operational reach, endurance, speed, and ease?

Contested Logistics Operational Concept

Contact the CL CFT
Tech Outreach Team:

