



When our dedicated men and women in uniform put themselves in harm's way, their safety is critically dependent on the skills and experience of each individual, and ultimately, the team's ability to execute the mission. Relevant, accurate, and timely training and mission rehearsal is the principal means by which personnel establish and maintain readiness for their respective tasks.

HART Technologies' Embedded Training (ET) architecture is an evolutionary technology that integrates an advanced simulation framework and mission scenario planning directly into an operational system. HART Embedded Training Solutions deliver robust capabilities for coordinated and highly realistic cognitive skill and tactile training in the field, on-demand, at any time.

HART Technologies' demonstration features the prototype capabilities of Littoral Combat Ship Surface Warfare Package Command, Control, Communications and Intelligence (C3I) systems with integrated crew embedded training for the MK46 30mm Close-In Gun System.

- The Surface Warfare Package C3I system was developed in a collaborative effort with HART Technologies and the Naval Surface Warfare Center Dahlgren Division
- Demonstrates applied M&S technologies and techniques used in a collaborative development and application environment used to improve both operational system capabilities and training realism, derived from a common M&S based solution
- Fully leverages M&S investments to improve systems design, integration, testing and operational capabilities while providing high fidelity embedded training and rehearsal capabilities to the Warfighter
- Enabling on-demand Embedded Training to create an immersive 3D realistic tactical environment for LCS Crewmembers directly on the operational equipment
 - Simulating firing engagements of Naval shipping threats to improve crew procedural skills and mission readiness
 - Providing exposure to tactical conditions and operational stress before the battle begins
 - Integrated mission scenario planning / execution / scoring, and After Action Review (AAR) capabilities as a dedicated on board assets
- With dedicated full time data recording capabilities, the MK-46 ETS extends beyond training and mission rehearsal to provide key operational mission data recording and playback capabilities in support of both tactical AAR and maintenance requirements