



COMBAT VEHICLE DIAGNOSTIC / PROGNOSTIC / HEALTH MANAGEMENT LAB

LABORATORY INFORMATION FACT SHEET

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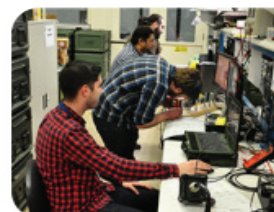
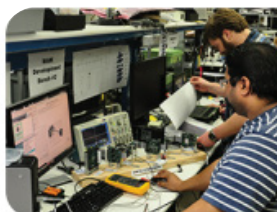


Combat Capabilities Development Command, Armaments Center maintains a full-range Diagnostics/Prognostics Laboratory for the research, development, testing and support of Embedded Diagnostics/Prognostics, Health Management Systems and At-System Diagnostics.

TECHNOLOGY/FACILITY DESCRIPTION:

The lab is equipped with full diagnostics development environments for supported weapon systems, consisting of actual system hardware and subsystem emulators.

The facility is also equipped with Field-Level Automated Test Systems (ATS) utilized by DEVCOM AC's Army and Marine customers. These ATS include Army and Marines standard equipment and platform-specific, DEVCOM AC-developed equipment. Systems supported by the lab include the Bradley A3/A4, Paladin M109A7 Self-Propelled Howitzer, Paladin M109A6, M777 Lightweight Towed Howitzer, Mortar Fire Control System (used on M1064 and Stryker), Dismounted Mortar Fire Control System, M119 Digitized Howitzer, Common Remote Operated Weapon Station (CROWS), Stryker Remote Weapon Station (RWS) as well as Marines Light Armored Vehicle (LAV) and Amphibious Assault Vehicle (AAV).



EQUIPMENT AND EXPERTISE AVAILABLE:

- Equipped with full diagnostics development environments for supported weapon systems, and with all At-System Automated Test Systems (ATS)
- At-System Diagnostics development
- Paladin M109A7 PADSS - development environment with vehicle LRU, cables, and software to allow for hands on integration on actual system hardware
- Wired/Wireless Application Module (WAM) - Core ATS for Field Maintenance which is configurable by platform
- Embedded Diagnostics - includes Diagnostics and System Health (DASH), a Health Management/ Diagnostics application adaptable for use across multiple platforms and customers