



# M153 CROWS SOFTWARE INTEGRATION LABORATORY

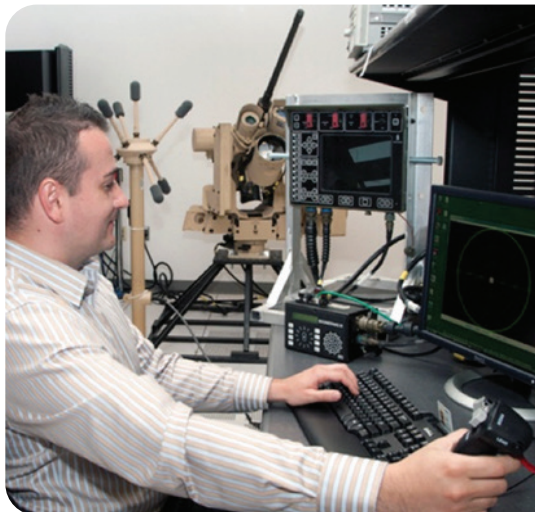
## LABORATORY INFORMATION FACT SHEET

### CONTACT US:

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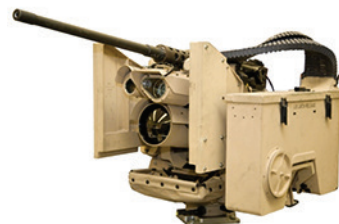
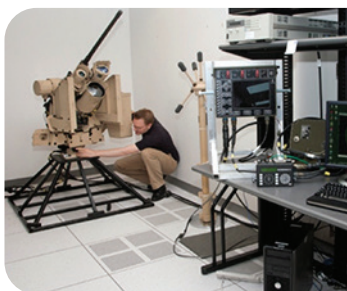
*The Armament Software Engineering Center (Armament SEC) M153 CROWS Software Integration Laboratory (SIL) is a fully functional development and testing laboratory developed to support the M153 CROWS system.*

### TECHNOLOGY/FACILITY DESCRIPTION:

The lab was designed and created to provide the ability to develop new enhancements and modifications to the underlying fire control unit software within the M153 system. The M153 CROWS is a remotely operated system that provides the capability to

remotely aim and fire a suite of crew-served weapons. This capability can be accomplished from either a stationary platform or while on the move. The system is capable of being mounted on a variety of vehicles and will use the host vehicle's system power.

The M153 CROWS software is comprised of multiple software components. The M153 CROWS SIL provides a development environment for each software component. All M153 CROWS software components have been built and can be recreated and/or modified as needed. The lab also promotes research and development efforts for new fire control technologies and extensions to the existing project.



### EQUIPMENT AND EXPERTISE AVAILABLE:

- Multiple production representative and full working M153 CROWS systems
- M153 (Split Screen), M153A1 (Thick Screen) and M153A2 (WSCP) Configurations
- Monitors for teaching and demonstration
- Added research components and extensions to M153 project
- Hardware component installation, removal and replacement
- Troubleshooting and diagnostic field support
- Team Foundation Server (TFS) development
- State of the art PC workstations with access to TFS
- Software download tools
- Nine separate IDE environments
- Develop and maintain M153 software local to Picatinny
- Rapid and advanced troubleshooting to support field operations
- Software sustainment and field support for ancillary CROWS products