

# CROSSHAIRS

## Counter-Shooter Detection and Location System



***CROSSHAIRS Provides the Warfighter with a Modular and Layered High-Performance Counter-Shooter System that Increases Situational Awareness and Enhances Survivability.***

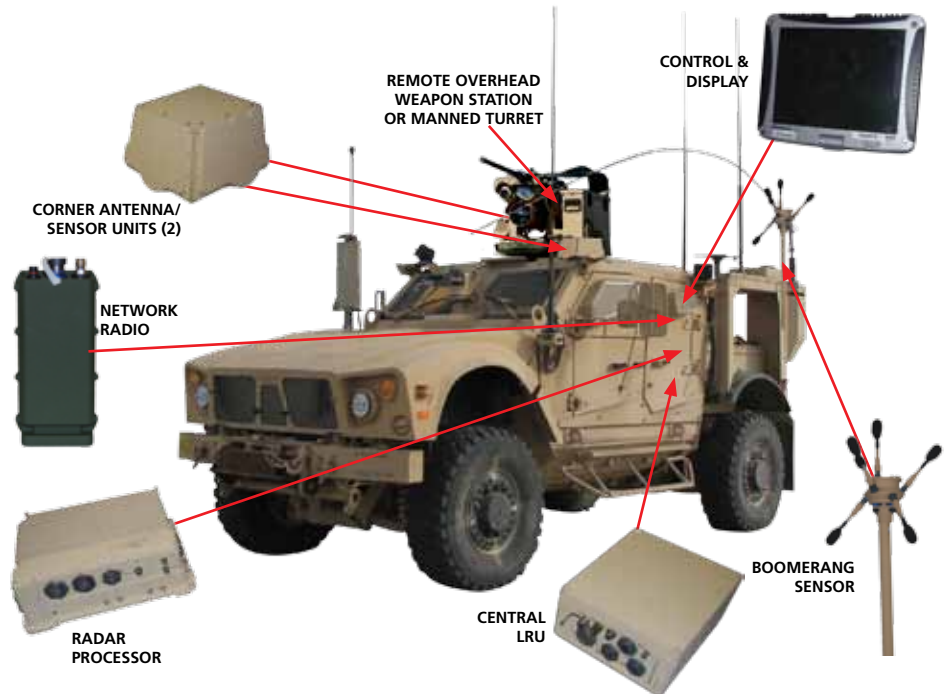
**INITIAL FIELD  
DEPLOYMENT 2010  
IN AFGHANISTAN**



# CROSSHAIRS

## Product Breakdown

- High-performance, modular counter shooter / vehicle protection system
- Detects bullets, rocket-propelled grenades (RPG), anti-tank guided missiles (ATGM) and direct fire mortars and determines shooter location
- Facilitates shooter neutralization
- High-performance multi-spectral (radar and acoustic) sensor
- Real-time shooter geo-location data-linked to other vehicles and TOC
- Common APS Interface



## The Problem

Confusion in determining shooter location persists for personnel mounted in military vehicles. This confusion is especially common in multifaceted attacks and has led to excessive casualties.

## The Solution

CROSSHAIRS is a counter-shooter detection and location system comprised of Mustang's radar sensor, the Boomerang acoustic system, a remote overhead weapon station, a user interface, and a EPLRS (Enhanced Precision Locating and Reporting System) compatible radio. This system provides 360 degree coverage for both stationary and on-the-move operation against a wide range of threats including bullets, RPGs, ATGMs and direct fire mortars, enhancing vehicle, crew, and convoy survivability.

## The Approach

Mustang's CROSSHAIRS system has been developed using modular components enabling the flexible integration and installation on a wide range of vehicle classes including HMMWV, FMTV, STRYKER, JLTV, and MRAP.

## The Technologies

High-performance radar; shooter location and neutralization; RF and digital electronics; real-time signal processing; advanced algorithms; guidance and control; efficient, low-cost tests.



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Alan England  
Mustang Technology Group  
400 W. Bethany Dr., Suite 110  
Allen, TX 75013  
Phone: (972) 747-0707  
[www.mustangtechnology.com](http://www.mustangtechnology.com)