

EARS[®] GUNSHOT LOCALIZATION SYSTEM

Instantly detects and locates the origin of hostile gunfire.



Shoulder Worn Acoustic Targeting System



Vehicle Mount Sensor



Fixed Site Sensor

QinetiQ North America's EARS® family of gunshot localization systems gives Soldiers and first responders the situational awareness necessary to respond instantly and accurately to hostile attacks.



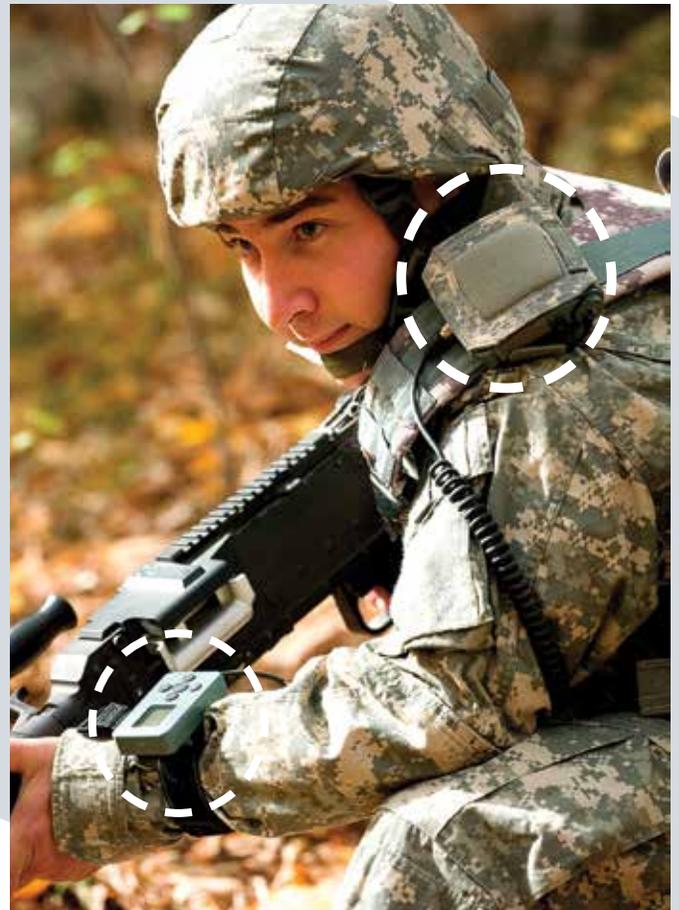
EARS® SWATS®

(Shoulder-Worn Acoustic Targeting System)

SWATS is a compact, shoulder-worn acoustic targeting system that instantly detects and locates the origin of hostile gunfire. This system provides situational awareness, protection and enhances survival to those who need to quickly locate and respond to enemy threats. SWATS is the smallest, lightest and lowest-power gunshot detector available and was selected as the best gunshot detection solution by the US Army. With more than 19,500 units shipped to 12 nations, SWATS has been combat-tested and field-proven in Iraq, Afghanistan and in homeland security missions.

EARS instantly detects and locates the origin of incoming hostile gunfire and alerts the user with an audible voice announcement (e.g., "3 o'clock, 400 meters").

Body-worn, vehicle-mounted and fixed-site systems are available. All three variants use the core EARS sensor, which is an extremely small, lightweight, low-power, self-contained gunshot detector system. With built-in GPS location and timing, EARS provides on-demand visual and audible updates with the threat's current direction and distance, even as the user changes position to move to cover or engage the threat. EARS also provides geo-referenced threat positions to facilitate coordination with other military resources that might be needed to eliminate the threat.



Instantly detects and locates the origin of hostile gunfire.

EARS VMS (Vehicle Mounted System)

The VMS kit repurposes a single EARS sensor for vehicle-mounted applications. The VMS can be installed on a variety of vehicle platforms. Installation can be made by one person and in approximately 10 minutes. No special tools are required and no internal or external modifications to the vehicle are required. EARS VMS includes a ruggedized display unit and mounting bracket, as well as an audio output for connection to an in-vehicle loudspeaker or intercom system.



EARS FSS (Fixed Site System)

The EARS Power-over-Ethernet (PoE) Fixed Site EARS-Fixed Site Node is a conversion kit that allows QinetiQ North America's EARS Gunshot Localization System sensors to be used in a fixed-site location. The EARS FSS sensor provides protection by monitoring gunshot movement over a large area. This information is used to locate gunshots, guide an evacuation route, plan an armed response along with other uses.



QINETIQ
North America



Shoulder Worn



Fixed Site



Vehicle Mount



Features

- **Fast** – Locates hostile shooter in < 1 second, allowing users to react
- **Compact** – Low profile configuration
- **Lightweight** – Minimal additional weight for user or vehicle
- **Low power** – Supports long missions without changing batteries
- **Flexible** – The common EARS sensor is easily movable between configurations
- **Accurate** – Effective in complex acoustic MOUT and open field environments. Sophisticated algorithms effectively eliminate false alarms
- **Localized for different languages** – English, German, Arabic, Hindi and Turkish currently available

Benefits

- Increases survivability by providing users with updated situational awareness on enemy shooter's location
- Protects Soldiers
- Saves lives