

PILAR V

Integrated Acoustic Gunshot Detector



ACOEM Group



Smart Solution for armoured vehicles

METRAVIB PILAR V - INTEGRATED is an acoustic gunshot detector that is intuitive and easy to use. PILAR V - INTEGRATED is designed to be mounted on any armoured vehicle. The information is reported through the vehicle's BMS.





Metravib PILAR V - INTEGRATED

REAL-TIME SITUATIONAL AWARENESS

- 360° area coverage
- Battlefield environment awareness
- Operates with single, multiple, burst and simultaneous shots
- Filters outgoing fire

ACCURATE FIRE LOCATION & THREAT CLASSIFICATION

- Small fire localization accuracy (RMS)
 - Azimuth: $\pm 2^\circ$
 - Elevation: $\pm 3^\circ$
 - Range: $\pm 10\%$
- Type of attack identification (single/burst shots)
- Slew-to-cue capability of Remote Weapon Station (RWS)
- Multiple-class calibre identification
- Multiple threats (RPG + Mortars)



ON-THE-MOVE TRACKING

- Built-in navigation module
- Absolute position of shooter (GPS coordinates)
- Update of relative coordinates of the shot origin while the vehicle is moving

OPTIMIZED FOR INTEGRATION

- All-in-one
- Lightweight and robust
- Simple interface protocol
- MIL-STD compliant

"The SLATE system has shown its real value in operations, proving to be an essential threat detector that should equip all modern armoured vehicles. SLATE has won the respect and trust of the French Armed Forces in theatres of operation."*

*General Charles Beaudouin,
Director of the Technical Section of the French Armed Forces*

** SLATE: name given by the French army to the PILARw system developed by METRAVIB*

EASY TO USE

- No calibration required, each replaceable microphone
- Microphone
- Built-in test
- Training mode available (blank ammunition)

How does acoustic gunshot detection work?



MUZZLE BLAST
Direction of the shot origin



SHOCK WAVE
Shot Alert



PILAR Vehicle and Helicopter Version

- Azimuth, Elevation, Range
- Caliber Identification
- GPS Coordinates of the shot origin (vehicle only)

PEARL Soldier Version

- Azimuth, Elevation

PILAR Ground Version

- Azimuth, Elevation, Range
- GPS Coordinates of the shot origin
- Cartography shot overlay

METRAVIB PILAR IS IN SERVICE IN 25 COUNTRIES

France, USA, UK, Germany, Turkey, Australia, Italy, South Africa, Tunisia, Norway, Indonesia, Belgium, Poland, Denmark, Singapore, Slovakia, Czech Republic, Brunei, Romania, etc.



COMBAT PROVEN: 20 years of operational feedback to enhance our products: Balkans, Iraq, Afghanistan, Central African Republic, Mali

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