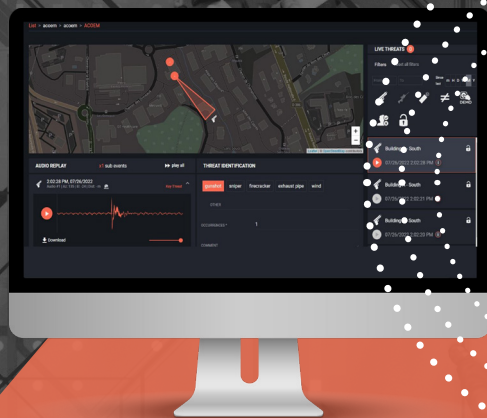


Protecting Communities with Trust and Precision

Acoustic Threat Detection (ATD)



acoem
CREATING ENVIRONMENTS OF POSSIBILITY

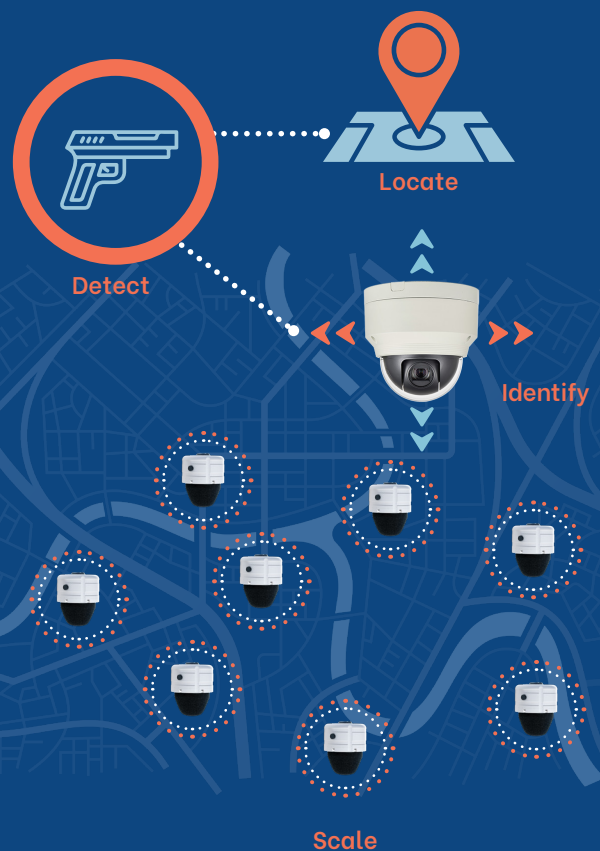
Smarter security with a 360° view of safety

Safer communities start with smarter security. Acoem's Acoustic Threat Detection (ATD) revolutionizes how threats are detected and responded to in real time. Combining advanced acoustic technology with any NDAA compliant camera system, ATD ensures comprehensive threat monitoring across a **500-foot radius**—delivering precision, speed, and reliability.



How ATD works

- **Immediate threat detection & location:** Our sensors detect and locate gunshots, instantly alerting your security infrastructure and enabling a rapid response.
- **Visual identification:** Every sensor can communicate with NDAA compliant cameras via ONVIF, providing "real-time" video and maximizing situational awareness.
- **PTZ camera:** The sensor commands the camera to pan and tilt directly to the detected threat.
- **Video management system (VMS) integration:** Signal your existing camera infrastructure to record the detected threat via integration with many common VMS platforms.
- **Scalable system:** A single ATD sensor can detect and locate gunshots, and unlimited additional sensors can be added to expand the coverage area.



Research facilities



Substations



Critical infrastructure



Community venues



Universities & schools



Government buildings



Public events

Built for every setting, scalable for every need

ATD's versatility allows it to secure public spaces of all sizes—whether you're monitoring a downtown district, a **stadium**, or **remote critical infrastructure**. The system is **affordable**, **scalable**, and has the ability to integrate with industry standard NVRs.

Always on guard, always reliable

Around-the-clock surveillance

You can't be everywhere at once—but ATD can. The system provides your first responders with 24/7 eyes and ears, allowing them to monitor and respond to threats in real time.

Fast response

ATD detects gunshots and other threats in seconds, allowing you to provide rapid emergency response where help is needed.



Why choose Acoem ATD?



Smarter, faster, and more reliable security

It is more than just a security solution—it's a comprehensive tool for real-time threat detection and situational awareness.



Smarter security

Goes beyond simple threat detection by offering complete 360° situational awareness. With the option for real-time video feeds, you'll never respond to a threat blindly.



Proven technology you can trust

Built upon 25 years of military-grade technology, ATD applies battlefield-proven technology to the protection of our communities and public spaces.



Rapid, decisive response

ATD visually confirms the threat in real-time, allowing first responders to take immediate, informed action. Faster and smarter responses mean mitigating risks before they escalate.



24/7 Operational reliability

Whether you're securing urban environments or remote facilities, ATD delivers around-the-clock vigilance.



Privacy and safety

We understand the need to balance security with privacy. Our system is designed with responsible data management at its core.



Seamless integration

ATD integrates easily with several market leading NVR platforms, enhancing it with real-time acoustic detection.



Accuracy enhanced by AI

ATD employs an artificial neural network learning model, continuously improving the system's accuracy by learning from the unique acoustic environment of each sensor.

Unrivaled features for superior security

Advanced capabilities for detecting, identifying, and neutralizing threats:

- **Real-time data** for improved decision-making
- **Pinpoints acoustic incident zones** instantly
- **Data transmission** to command centers or mobile devices in 3 seconds
- **Single interface** provides precise mapping coordinates, incident logs, live public dashboard, and detailed descriptions.
- **Data security** you decide where your data is transmitted, analyzed and stored
- **Edge processing** acoustic signals are processed inside the sensor. The only data to leave the sensor are detected gunshot alarms.



Revolutionary technology

ATD has the ability to distinguish between various sound sources, reducing false alarms and increasing response effectiveness. By identifying not only the muzzle blast but also the ballistic sound wave, it ensures that every gunshot can be accurately detected and localized with a single sensor. ATD's artificial neural network continuously improves accuracy by learning the acoustic patterns of each sensor's unique environment. Acoem is an approved security solution provider endorsed by France's Strategic Security Committee (CSF) for major events including the 2024 Paris Olympic and Paralympic Games.



Give your surveillance system the power of hearing

Acoem ATD offers portability, affordability, and flexibility of design, allowing installation in a wide variety of environments. Here's how ATD helps your security infrastructure:

Receive

Accurate and time-sensitive data from the field, including geographical positioning, incident typology, frequency, and criticality.

Enable

Faster and more targeted incident responses with precise information.

Distinguish

Critical incidents from false alarms, reducing unnecessary response.

Reassure

Increase community confidence by ensuring their safety and security.

Investigate

Data logs and incident recordings help facilitate thorough post-event investigations.

[Learn More](#)



Reach out to atd.moi@acoem.com to discover how Acoem's Acoustic Threat Detection system is protecting communities worldwide.