

BARIER

Autonomous Beacon for Recognition, Identification, and Response Assessment





Discover the purpose **behind this innovative solution**

BARIER™ is designed to be quickly deployed by a simple patrol and enables day and night surveillance missions with a reduced team in challenging and unpredictable terrain.

The system enables long-term, permanent, and automatic surveillance of areas with complex access.

The BARIER™ system effectively replaces costly, highly vulnerable observation towers that can be easily bypassed by intruders. Each BARIER™ system consists of eight autonomous sentinel beacons, two armored dispensing vehicles, and a command and control (C2) vehicle. The beacons are strategically positioned to create a buffer zone with a depth of 3 to 5 km.

Over the long term, the system enables permanent and automatic surveillance of complex access areas such as mountains, deserts, ravines, and creeks.

The system is fully automatically configured through the mission preparation software. The beacons are remotely controlled by a local command post via a dedicated communication line. Thanks to its stealthy design, the system operates in 'ambush' mode to identify intruders with maximum efficiency.





Sensitive Site Protection



Camp Protection



Temporary Bivouac



Route Surveillance

Product **zoom**

Technical **Specifications**

Optical Detection Beacon



Radar Detection Beacon



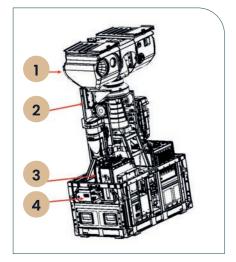
Command and Control Post



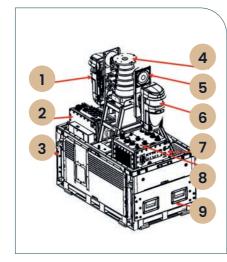
Panhard Type Dispenser



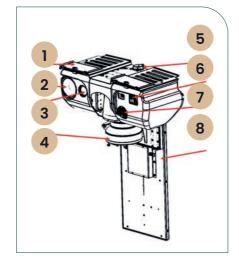
Unimog Type -Mercedes



Optonic head 2. UHF antenna
UHF transmitter 4. Bi-filter UHF



 Proximity switch left 2. MPPT box
Adjustable foot 4. Mast
Speaker 6. Right proximity detector 7. Desk 8. Energy box
Batterie Rack



Marquise (thermal protection)
Flashlight 3. Hight Resolution
Sensor 4. PATAR 5. GPS 6. BIVAN
Thermal camera 8. UHF antenna

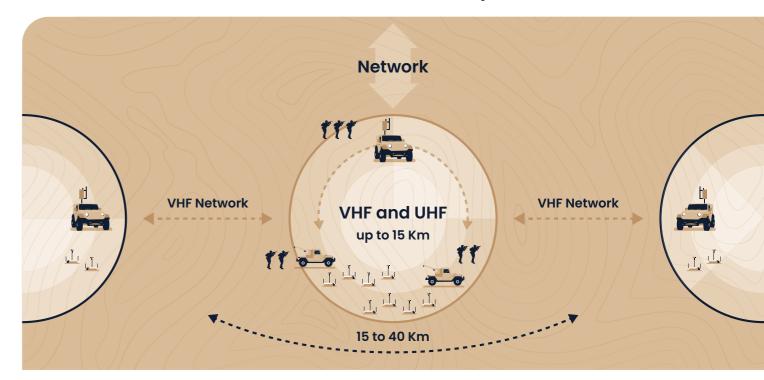
Characteristics of the BARIER™ System:

- Continuous monitoring of up to 40 km of border with a single system.
- Designed for rugged terrain, long-term presence, and constant tracking.
- Network of robotic, autonomous, and intelligent beacons.
- Evidence collection and intelligence missions.
- Personnel safety located 20 km behind the frontlines.
- Discreet and stealthy, ready for ambush missions.
- Detection through data fusion from optronic, radar, and acoustic sensors.
- Precise identification and localization.
- Scalable response scale, from non-lethal to military intervention.



- · Quick and simple deployment.
- · Computer-assisted mission preparation.
- Operational 24/7, without interruption.

Home Land Defender / Army MG



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Services, maintenance, options

Atermes, It is also...

at the cutting edge of technology!

A-TOM550

System for Airports

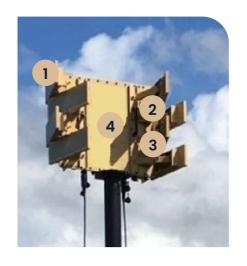
Automatic Laser Bird Deterrent

Our services

The Sentinel Beacon: A Highly Sophisticated Robot







Base Sentinel

- 1. Proximity detection. Weather station.
- 2. Self-protection and deterrence system controlled by the PCC operator.
- 3. Stealthy and retractable design.
- 4. 24/7 energy autonomy thanks to solar panels.

BARIER™: Performances

Optronic Head

- 1. Ultra-high-definition identification sensor and xenon flash.
- 2. Laser rangefinder.
- 3. Embedded processing for autonomous decision-making.
- 4. Thermal camera.

Radar Head

- 1. High-definition radar detection, up to 180° coverage.
- 2. X-band Doppler radar.
- 3. Embedded processing for autonomous decision-making.
- 4. Radar.

- 5. High-speed radio transmission.

include

... other products



Mechanical Design Office



Electronic Electronic Engineering



Suricate **Multispectral**

Optronic Radar

ASOS

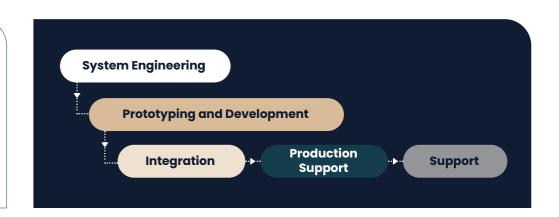
Atermes Operational

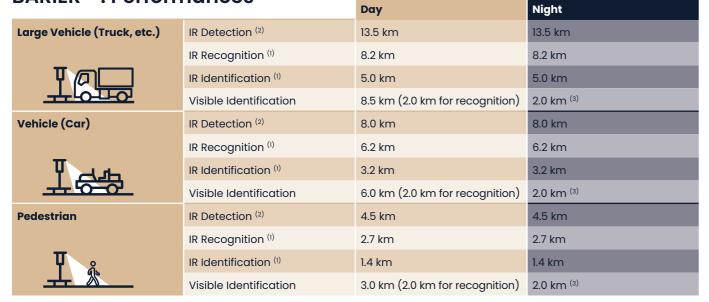
Surveillance Solution

Optronic Engineering









The IR (Infrared) field of view is specified to be between 1.4 degrees to 22 degrees. It's important to note that the system's performance can be influenced or affected by atmospheric conditions. (1) Within an IR field of view of 1.4 degrees. (2) Within an IR field of view of 2.5 degrees. (3) Performance may vary depending on atmospheric conditions and lighting.

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ATERMES

4 Avenue des Trois Peuples 18180 Montigny-Le-Bretonneux, FRANCE

Tel:+331.30.12.01.40

