





# PATROL – PROTECT A VEHICLE ON A SHORTER MISSION

Flexnet - Wireless mesh networked Unattended Ground Sensor (UGS) platform

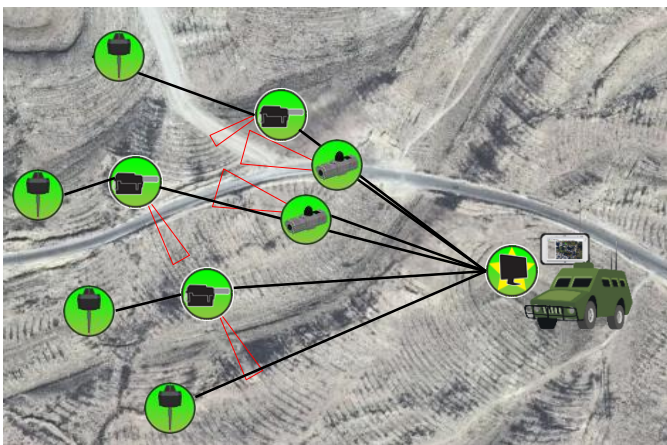
## / CONTEXT

When a squad or section is out on a short mission to achieve a specific task, the Flexnet silent network of sensors is deployed to provide protection against potential enemy approaches. The sensors provide early warning and classification of the incoming threat enabling the user to take necessary action.

## / SURVEILLANCE MATERIAL

-  1 Laptop or tablet
-  2-4 Scout cameras
-  5-10 UMRA Mini  
Seismic/acoustic
-  4-6 PIR

## / DEPLOYED NETWORK



The sensors are deployed and automatically forms a silent self-healing wireless Mesh Network.

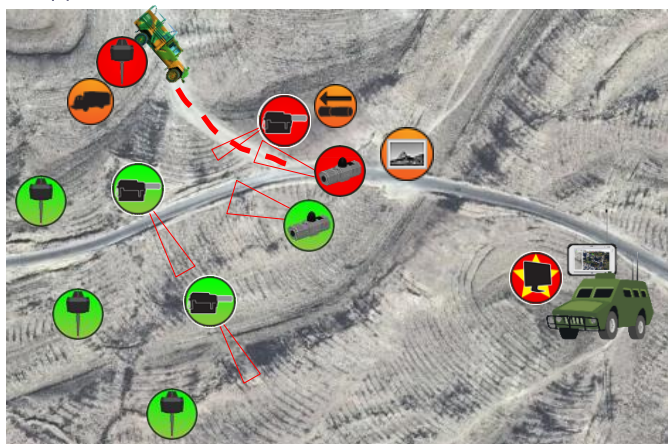
## / CONCLUSION

The Exensor Flexnet platform allows for quick deployment of a portable and wireless mesh network of Unattended Ground Sensors to perform area surveillance and early threat detection. For a patrol, the system acts as a Force Multiplier allowing the soldiers to focus on other tasks and free up capacity. The Flexnet intelligent sensors perform detection and advanced alarm classification to obtain relevant information early, in time to take necessary actions.

For other Flexnet use cases or details visit [exensor.com](http://exensor.com)

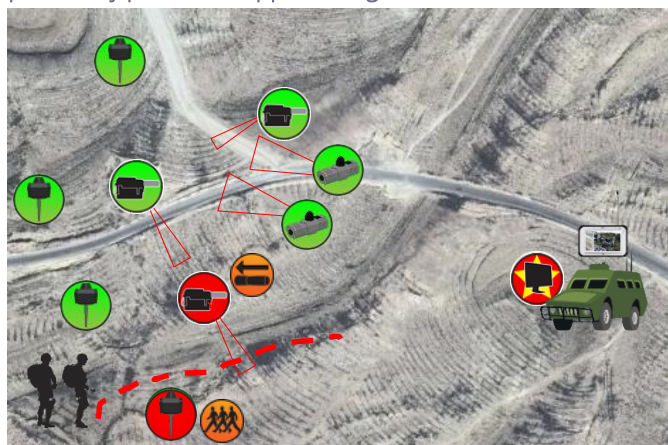
## / SCENARIOS

Vehicle approach:



The vehicle is detected and classified by the UMRA Mini seismic/acoustic sensors. The PIRs determine the direction of the vehicle and trigger an image capture by the Scout camera. Alarms and pictures are transmitted to the patrol base station to take necessary action.

Multiple enemy personnel approaching on foot:



The enemies are detected and classified by the UMRA Mini as a Multi-person threat. The PIRs confirm the direction of the enemy. The information is automatically sent to the patrol base station to take necessary action.