



REMOTE LONG RANGE SURVEILLANCE

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

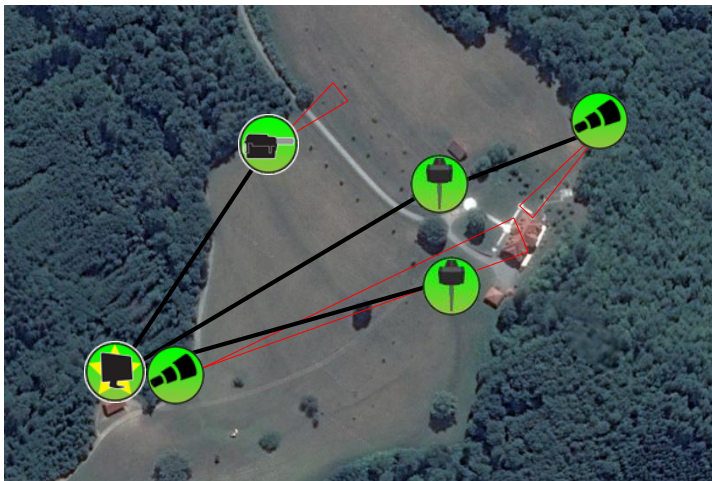
/ CONTEXT

Long range surveillance missions require remote observation posts to avoid exposing soldiers. Sometimes, the terrain and vegetation prevent them from observing a target. The Flexnet wireless, covert, remote sensor and camera platform provides surveillance coverage of the objective. Intelligent and covert ground sensors are placed to trigger short, medium and long range cameras capturing pictures and/or videos that will be transmitted to the observation post upon demand.

/ SURVEILLANCE MATERIAL

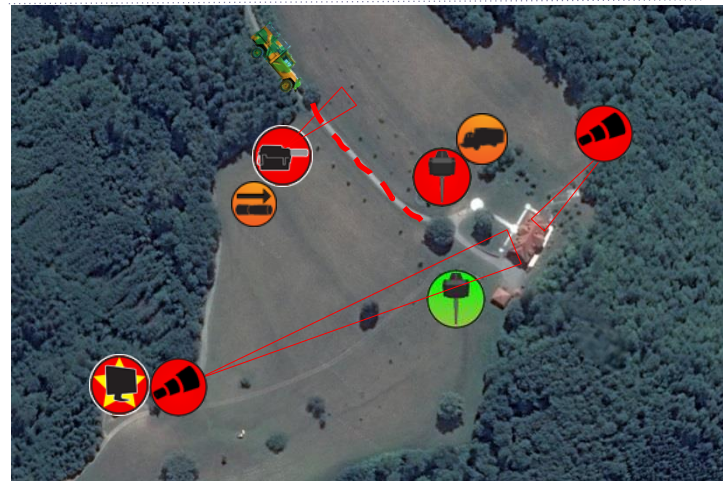
-  1 Tablet and PDA
-  2 Cameras
-  2-4 UMRA Mini
Seismic/acoustic
-  1-3 PIR

/ DEPLOYED NETWORK

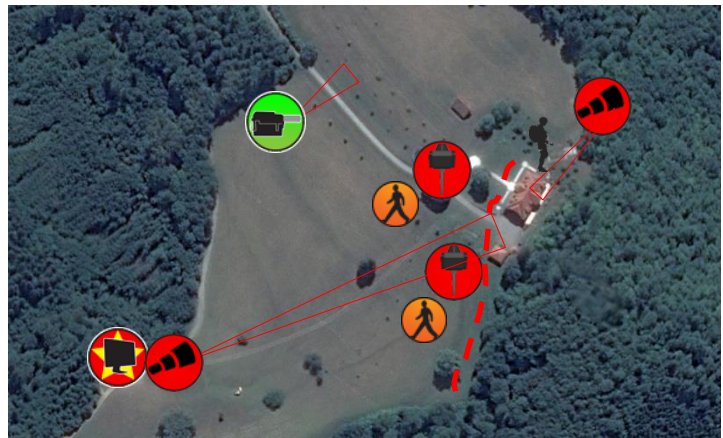


The sensors are deployed and automatically forms a silent self-healing wireless Mesh Network.

/ SCENARIO



Vehicle approach: A vehicle approaching the target is detected by the PIR and classified as a vehicle by the UMRA Mini. The alarm triggers the cameras to record pictures and/or video.



Enemy approach on foot: The UMRA Mini detects and classifies the activity as a single person and automatically triggers the cameras to start recording. Several cameras can be triggered simultaneously to all areas of interest to be monitored.

/ CONCLUSION

Flexnet is a wireless and battery operated surveillance system providing remote observation capabilities without exposing your own soldier activities. A variety of cameras can be covertly deployed at various ranges from target locations and triggered by intelligent sensors upon suspicious enemy activity. On wake up pictures and video is locally recorded and transmitted to base location upon operator request. The system is easy to set-up and use by special units or regular forces.

For other Flexnet use cases or details visit exensor.com