



**SERAPHIM Optronics**  
Intelligence & Security Solutions



## About Seraphim

- Seraphim Optronics is a long-standing provider of sophisticated electro-optic and multi sensor solution managing for persistent surveillance, intelligence, security and observation applications.
- Based on **leading imaging, multi-sensor integration capabilities, unique command and control software and communication technologies**, Seraphim capitalizes on over 20 years of close collaboration with military and para-military users.
- As our name implies, **Seraphim Optronics** is your **guardian angel** for effective responses to **covert intelligence, defence and security** missions.





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# Global Activity Deployment





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# C&C Software

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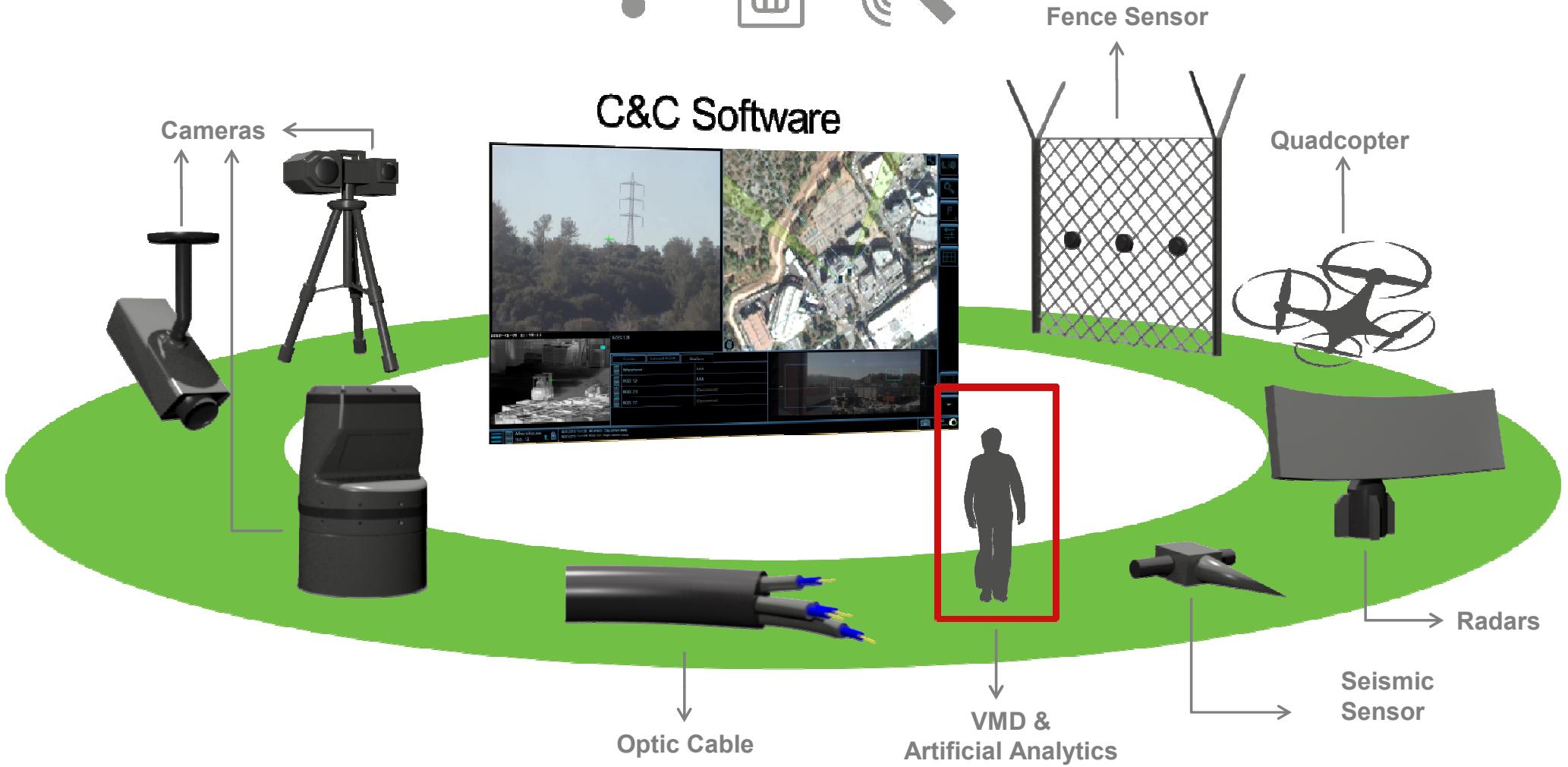
ROSS 124

Events	Interest Points	Stations
Warehouse	LAN	
ROSS 124	LAN	
ROSS 240	Disconnected	
ROSS 727		

48 14



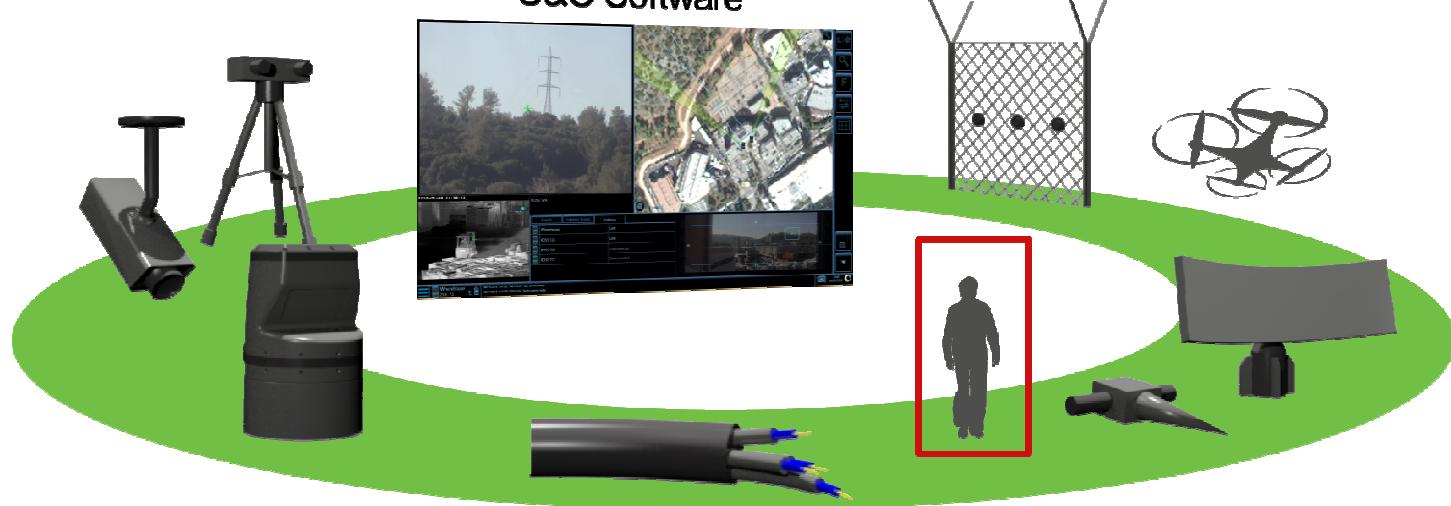
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### C&C Software



Covert Intelligence



Critical Infrastructure



Force Protection



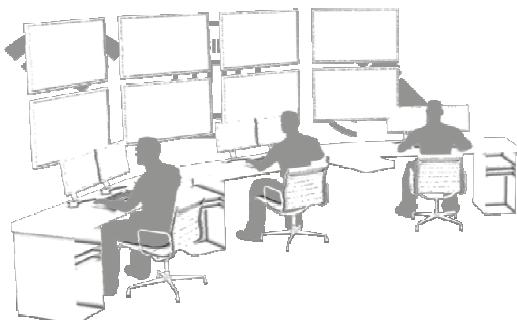
Border Protection





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Seraphim back bone  
System integrated with C4I support  
Systems (Plug & Play) VMD



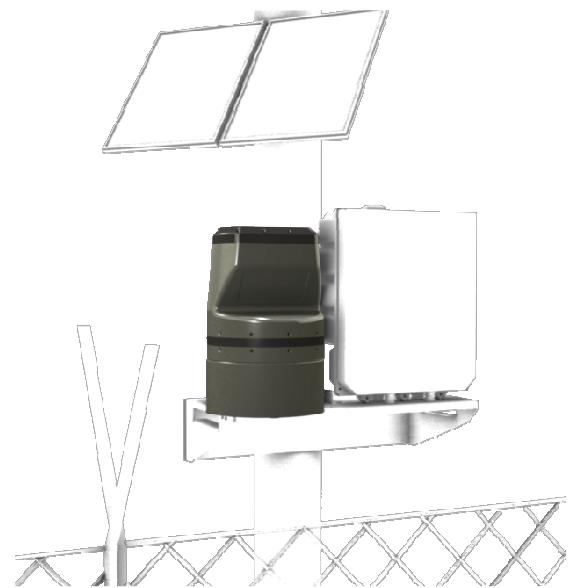
The ROSS Remote Observation Surveillance System

- ✓ Dual observation capability (day/ thermal) including VMD
- ✓ Internal movement only
- ✓ Designed for non reflection
- ✓ Multiple communication support (WiFi, Cellular, Satellite)
- ✓ Minimum energy consumption
- ✓ Full synergy with a variety of sensors
- ✓ Easily integrated with C4I Systems (Plug & Play)





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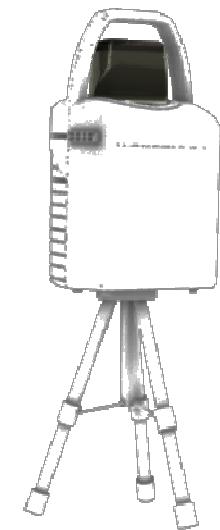


RAPHAEL

OPERATIONAL  
SOLUTIONS



ARIEL



GABRIEL

The ROSS      Remote Observation Surveillance System



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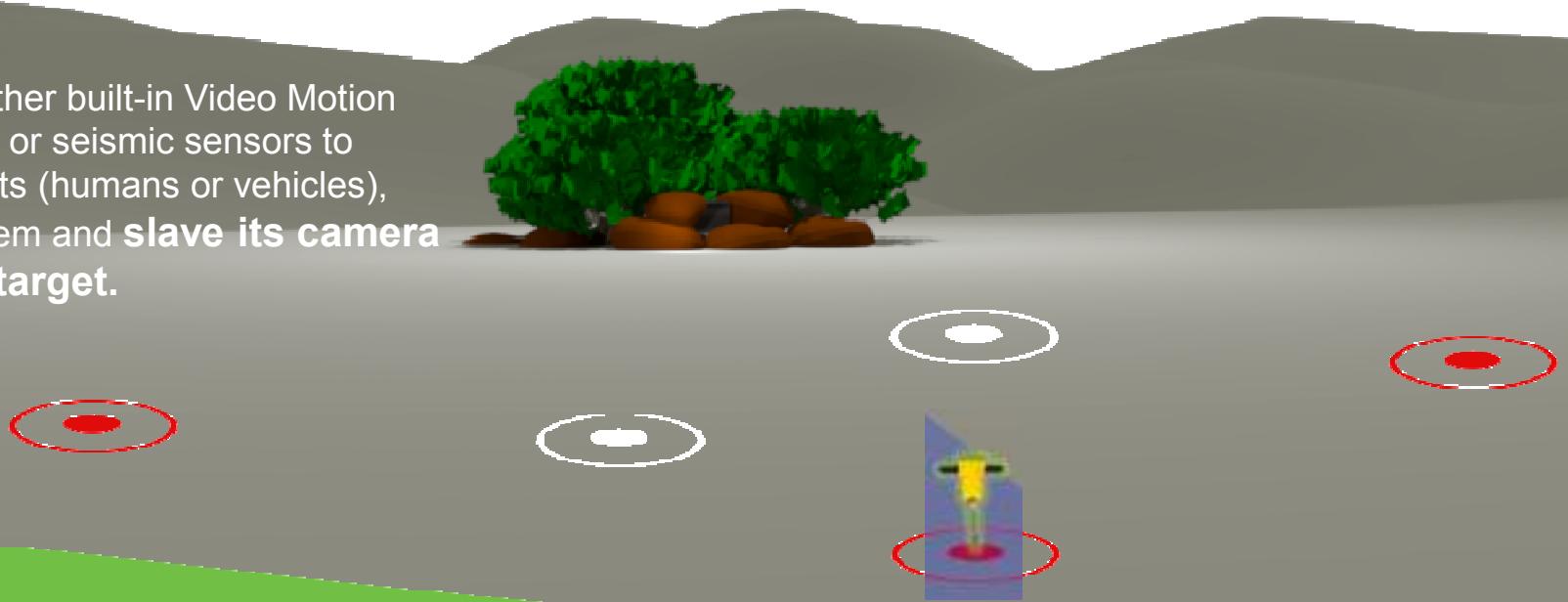
- **Camouflage-friendly design:**  
ARIEL can be covertly located, while aiming and stealthily investigating an area or object of interest without being noticed.

**ARIEL** Covert Surveillance System



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- ARIEL utilizes either built-in Video Motion Detection (VMD) or seismic sensors to detect movements (humans or vehicles), awaken the system and **slave its camera to a detected target**.



**ARIEL** Covert Surveillance System



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- Communication range  
is almost unlimited



**ARIEL** Covert Surveillance System



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- ARIEL is a lightweight, modular, remotely-controlled target observation and acquisition system **designed for combat multi-tasking.**



## ARIEL Covert Surveillance System





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- Highly cost-effective solution for border and critical infrastructure, defense and security

# RAPHAEL

Stand-Off Radar-Integrated Surveillance Suite



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- **Camouflage capability** enable the system to naturally assimilated in the environment

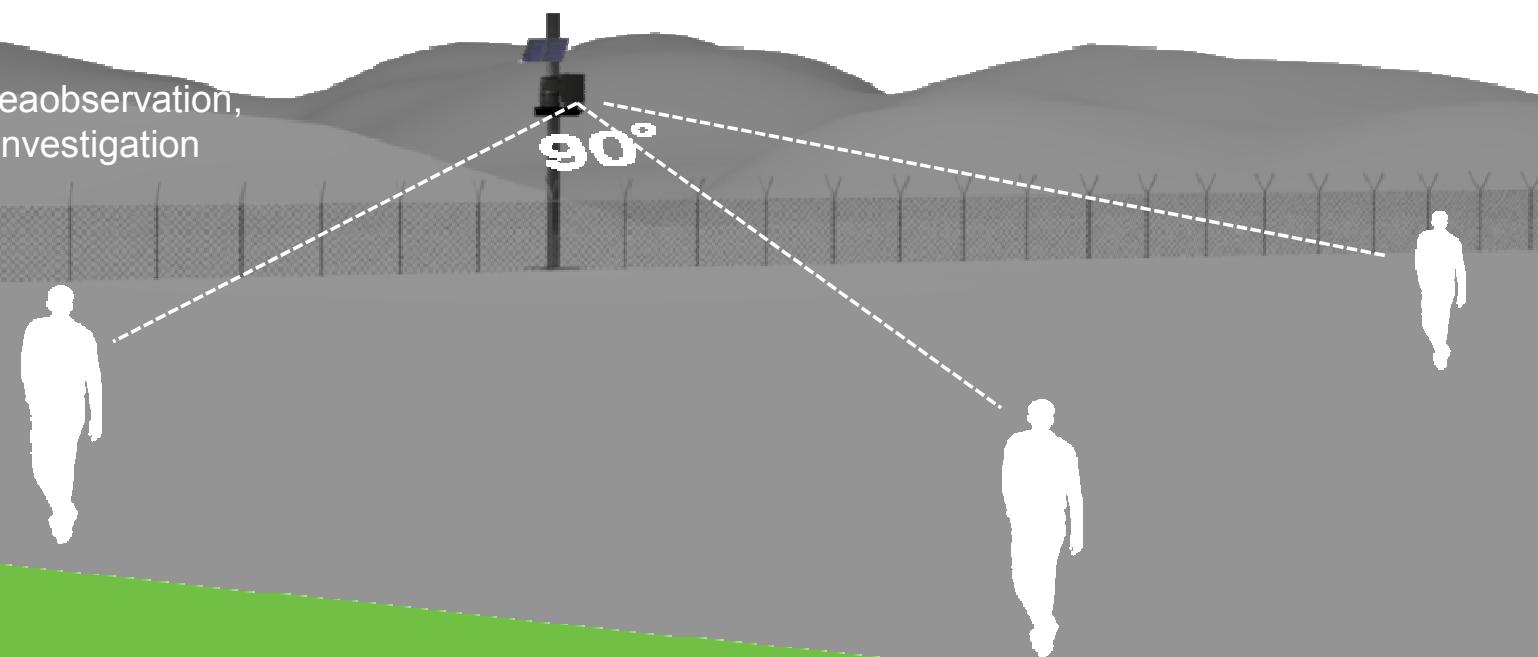
# RAPHAEL

Stand-Off Radar-Integrated Surveillance Suite



**SERAPHIM Optronics**  
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- High-precision stand-off area observation, detection, acquisition and investigation



**RAPHAEL**

Stand-Off Radar-Integrated Surveillance Suite



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- No infrastructure required

**RAPHAEL** Stand-Off Radar-Integrated Surveillance Suite





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- Man-portable configuration of the Raphael:  
detect and investigates



**GABRIEL**

Man-Portable Radar-Integrated Surveillance System



**SERAPHIM Optronics**  
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- The GABRIEL is innovative in that it brings integrated electro-optics and radar capabilities to forces on the move



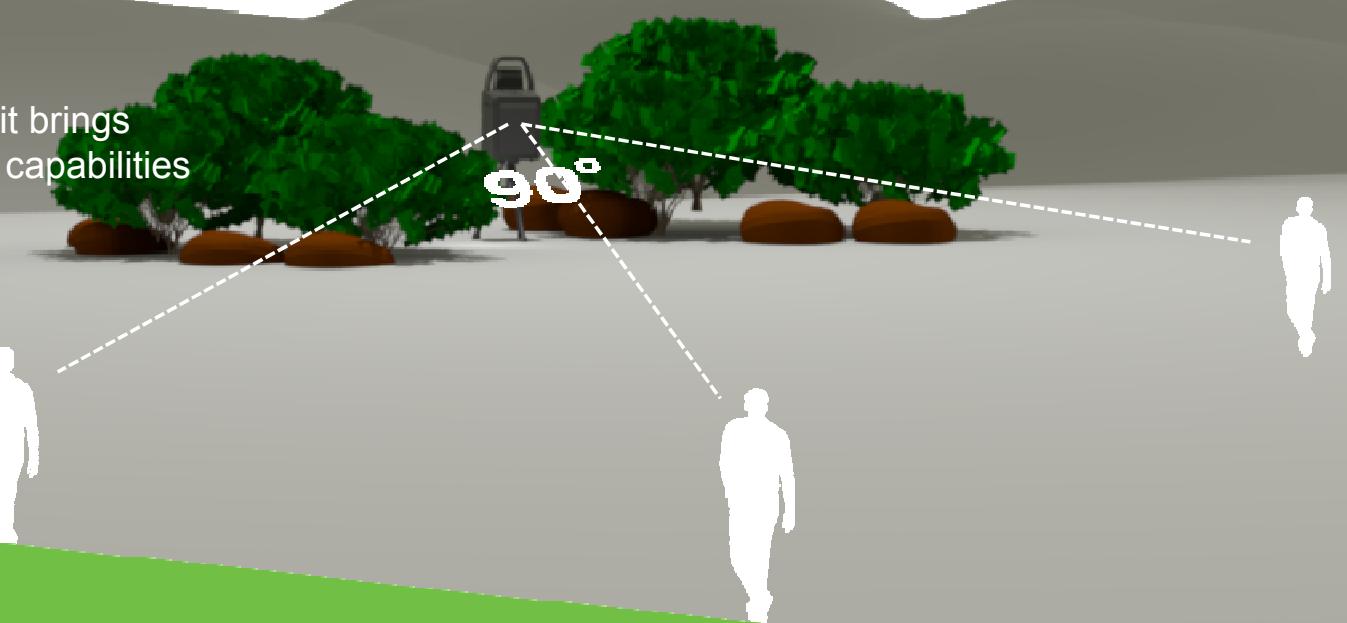
# GABRIEL

Man-Portable Radar-Integrated Surveillance System



**SERAPHIM Optronics**  
Intelligence & Security Solutions

- The GABRIEL is innovative in that it brings integrated electro-optics and radar capabilities to forces on the move



# GABRIEL

Man-Portable Radar-Integrated Surveillance System



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- Radar detections and live video from GABRIEL are dispatched to a tablet via WiFi, cellular or cable communication



# GABRIEL

Man-Portable Radar-Integrated Surveillance System



	Events	Interest Points	Stations
1	GABRIEL 777	360m 86° [35.10602, 32.638158]	
2	GABRIEL 777	540m 104° [35.107767, 32.636751]	

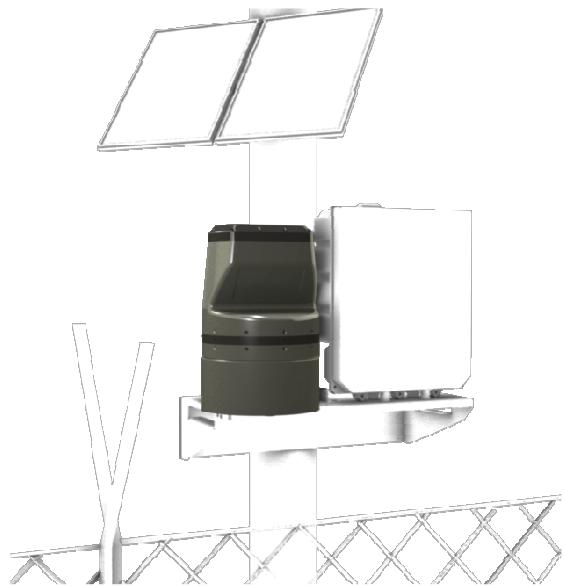


Operational Screen

	UNATTENDED ARIEL	FIXED INSTALLATION RAPHAEL	DEPLOYABLE GABRIEL
DAY CAMERA	✓	✓	✓
THERMAL CAMERA	✓	✓	✓
RADAR		✓	✓
SEIEMIC SENSORS (optional)	✓	✓	✓
CAMOFLAGE SOLUTION LEVEL	Highest level	Concealment / look innocent	basic
COMMUNICATION   	Multi	Multi	Multi
MOBILITY	✓	Static	✓
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REPHAEL

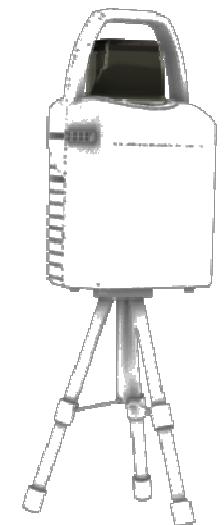


ARIEL



## TAILOR MADE SOLUTIONS

Subject to defined parameters we can fit our solutions to the client special requirements



GABRIEL

The ROSS  
Remote Observation Surveillance System



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