

Frontier™

Wide-Area Persistent Surveillance System



Redefining Border Security

The challenges faced by those in charge of border defense and surveillance are becoming increasingly complex, with the volume of data generated often overwhelming - causing missed threats and the inefficient use of resources.

Meeting these challenges, **Frontier** leverages advanced AI to autonomously detect, classify, and assess threats in real time while filtering out false alarms. The system optimizes intelligence gathering, situational awareness, and decision-making across land, air, and maritime domains, delivering comprehensive perimeter monitoring.

The system's exceptional flexibility enables seamless integration with a wide range of sensors and C4I systems as well as deployment adaptability enabling a powerful response to a wide range of security needs. **Frontier** can be tailored to meet specific customer requirements.



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How Frontier Changes Border Protection

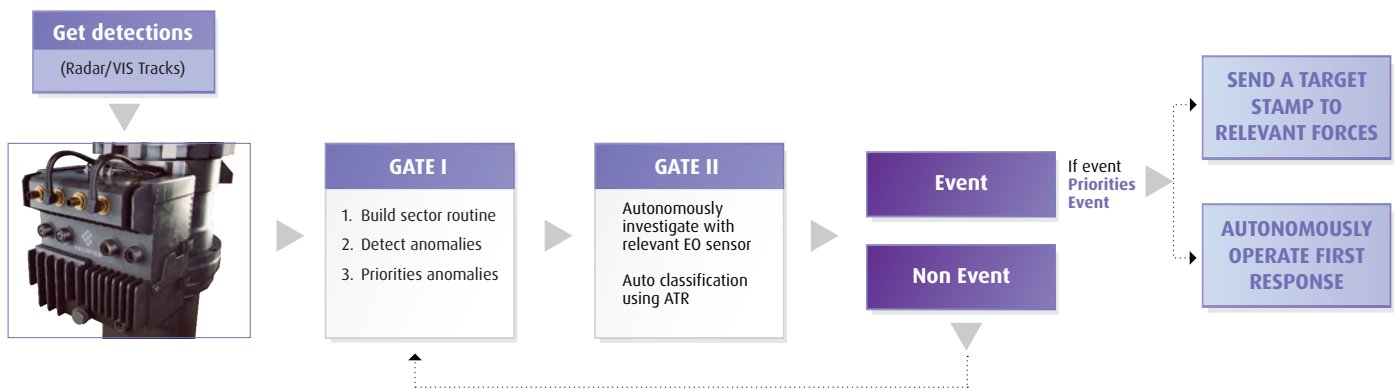
CURRENT SOLUTION	FRONTIER	REMARKS
More inputs > More noise > Increased FAR	More inputs > More info > Reduced FAR	
Train network for each new sensor	Sensor agnostic No need to re-train network for new cameras and sensors	
Tells the story of "here and now"	Tells the story of the entire sector through time	Sector operational memory
C/I operator threat area management and prioritization	Threats automatically categorized & prioritized allowing full coverage and quick sectorial response	
Pretrained AI network – detects only what neural network was trained on	Trains itself on specific sector topography, routines	Reduce FAR & increase Probability of Detection
Compressed DATA > METADATA	RAW DATA > METADATA – analyze multi-sensor raw data	

Applications

Frontier's advanced capabilities are essential for any organization facing perimeter security challenges:

- Border security teams
- Government agencies
- Military and defense organizations
- Law enforcement agencies
- Private security companies
- Critical infrastructure facilities

Concept of operation



Elbit Systems Ltd.

Advanced Technology Center, P.O.B 539, Haifa 3100401, Israel

E-mail: istar@elbitsystems.com www.elbitsystems.com

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