



SAAB



SIRIUS SURVEILLANCE

Your invisible Gatekeeper

Wide Area Surveillance

Persistent surveillance of borders and knowledge on your surroundings is vital for your nation's security. And that is precisely what Sirius Surveillance provides. It is a system-of-systems that can be customer tailored and seamlessly integrates a comprehensive suite of passive sensors.

By providing a consolidated situational picture and necessary support to monitor it, Sirius Surveillance will be your invisible gatekeeper against constantly evolving threats.

Wide area surveillance tailored to your needs

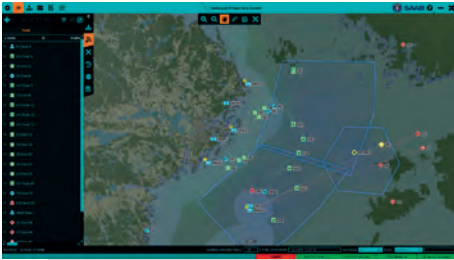
Sirius Surveillance is a system-of-systems providing wide area persistent surveillance by monitoring the RF signal environment. It can be tailored to customer requirements and seamlessly integrate a comprehensive suite of passive sensors from Saab's portfolio as well as third-party sensors.

The sensors complement each other with different characteristics creating high accuracy direction finding and geo-location, beyond the horizon reach and coverage of the complete RF spectrum including both communication and radar signals.





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UTILIZING FULL SENSOR POTENTIAL

What if you could connect all available sensors in a multi-sensor network with centralised coordinated management and automated tasking of sensor resources?

Sirius Surveillance will give you that advantage. It provides central functions for automated track correlation, geolocation and classification of platforms and creates an enhanced situational picture, from air and surface targets, which is consolidated on local, regional and national level.

External inputs from other sources helps to focus on targets of interest.

AUTOMATED OPERATION

Robust and selective algorithms for processing and identification/classification of signals allows automated operation in dense signal environments. Automated functions for anomaly detection supports monitoring of the situational picture.



SENSOR SUPREMACY BY SAAB



Saab has decades of experience from developing complex systems encompassing passive sensors and data fusion.

Today, these systems provide armed forces and intelligence services around the world with the silent power they need to detect, locate and understand signals, without revealing themselves.

Sirius Surveillance features

- Operationally proven, high performance sensors
- Antenna configurations for direction finding and high gain/sensitivity
- Wide coverage of the RF spectrum, communication and non-communication signals
- Software defined waveform processing and demodulation
- Robust and selective signal processing and classification/identification
- User programmable emitter/platform libraries and demodulators
- Mission based tasking and reporting, supporting highly automated operation
- Enhanced situational picture and early warning
- Data also from other sources e.g. radar, ADS-B, AIS and EOB
- Fully network enabled with remote control, multi-user environment and replication of data
- Integration to external Command and Control
- Sensors can be installed permanently on strategic locations or integrated into transportable platforms for flexible deployment.

One family, every signal, any domain

Sirius is a family of innovative and networked passive sensor systems based on common architecture and with a domain specific edge. It provides a complete synergistic capability for Intelligence, Surveillance and Reconnaissance – beyond

the scope of individual sensors. Today these systems provide Armed Forces and Intelligence Services around the world with the silent power required to turn signals into knowledge, whilst remaining undetected.