



# Integrated Maritime Surveillance

Fighting Global Maritime Security Challenges through satellite derived insights, the KSAT Vessel Detection Service is designed to find ships and boats engaged in illegal activity, which harms the environment and make the seas unsafe.

Perfectly positioned for fast access to satellite data by leveraging our extensive global ground network of more than 250+ antennas on 25 sites, KSAT offers a unique end-to-end solution on coverage, resolution, price and monitoring frequency. The analytical results are distributed within minutes after the data is down-linked and processed on our own, secure platforms.



## DID YOU KNOW?

Having in-house processing capabilities for a broad selection of SAR-satellites as well as a growing number of optical satellites, means that KSAT can fully optimize each link in the delivery chain, ensuring the fastest available delivery times for our customers.

## KEY FACTS:

**Our ground network serves** both public and commercial customers with time-sensitive operational information, including the world's most advanced vessel detection service.

**Our customers use KSAT** to 'fill in the gaps' beyond AIS by orchestrating analytic capabilities using a range of satellite sensors. Synthetic aperture radar (SAR) sensors cut through clouds and darkness to identify the location of vessels.

**KSAT also uses optical satellites** to draw additional conclusions about what type of vessels are present and an indication of activity such as shrimp trawling or transshipment of material. Another emerging option for detection of dark targets involves the use of satellites to geo-locate radio frequency (RF) signals from vessels at sea.



## DATA FUSION



**INSIGHT**

By combining different data sources and machine learning techniques, we achieve better insights and can provide **DETECTION**, **CLASSIFICATION** and **IDENTIFICATION**.

## We offer:

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**24/7 operations: delivery, support and ordering every hour – every day**

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**Radar and optical satellites**

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**Fastest available access to vital operational information**

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**Downlink at KSAT global antenna network from Svalbard to Antarctica**

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**Redundant systems and secure distribution**

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**Everything you need, from detection to fully analyzed products**

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**CONTACT INFORMATION: KSAT – KONGSBERG SATELLITE SERVICES**

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