

Oil Spill Detection Service

KSAT is your invaluable partner in oil spill monitoring. With 20+ years of experience we deliver fully analysed results globally every day.

KSAT is deeply committed to providing the industry's most operationally effective satellite based oil spill detection service. We ensure that critical information gets where it needs to be, faster than anyone else can. We benefit from access to the largest available constellation of satellites, and download imagery on the world's largest and best positioned Ground Station Network.

KEY FACTS:

Oil spill detection monitoring by satellite enables a much larger area to be monitored, at a fraction of the cost, compared to surveillance by aircraft, vessel, buoy, or platform radar. The service also covers naturally occurring oil seeps as well as produced water.

KSAT draws imagery from the largest available constellation of Synthetic Aperture Radar (SAR) satellites. This ensures maximum coverage options for any spot on the globe.

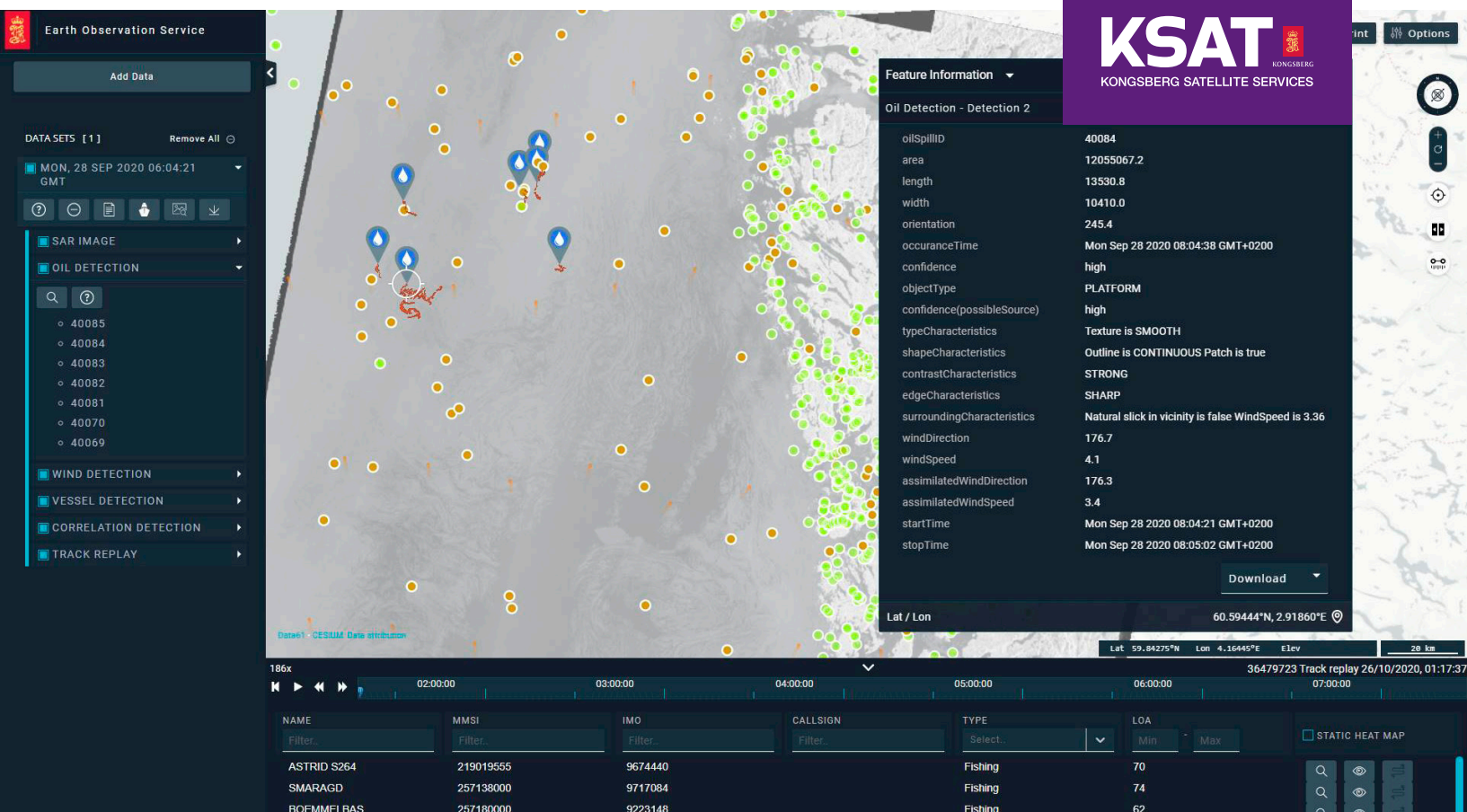
The moment SAR imagery data is downlinked, it is first processed using advanced detection algorithms, and then quality-checked by a highly skilled analyst. Spills detected are then correlated with Automatic Identification System (AIS) data reported by vessels and many oil and gas installations to help pinpoint the source of the spill.

The fully analysed report is delivered to the customer, normally between 20 and 120 minutes from the moment the satellite acquired the image. This is the fastest delivery time in the industry and ensures that decision-makers receive the critical information they need, fast enough to take action.



DID YOU KNOW?

Thanks to having the world's largest and best-positioned Ground Station network, with some 200 antennas at 25 different locations worldwide, KSAT is able to download and process the imagery data faster than anyone else.



The Oil Spill Detection Reports are delivered through two main channels: a PDF report and also through KSAT's proprietary online visualization tool, called cView.

The service is ideal for

Regulators or environmental groups wanting to monitor, track and identify the source of oil spills, produced water, and naturally occurring seeps.

Operators of offshore oil and gas assets who want to monitor the vicinity of their own operations to detect possible spills of oil, produced water and natural oil seeps.

Those who need to receive urgent oil spill information to support incident response and consequence management when spills do, unfortunately, occur.

KSAT can also access an archive of thousands of natural seep detections around the globe, which can help guide new exploration activities while enhancing the understanding of natural seep activity in new, potential, production blocks.

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