OIL TRACKER SERVICE

Increase awareness of oil on water occurrences in the marine environment with a routine monitoring program that leverages satellite Synthetic Aperture Radar (SAR) technology to provide a broad area view of oil on water, ship and rig locations, and wind speed and direction in offshore lease areas. Oil Tracker Service provides cost-effective operational oversight, emergency preparedness and response support.

Features

- **Proven technology**
  
  Our clients have been using the RADARSAT-1, RADARSAT-2, and many other SAR satellites operationally, for close to 20 years, to successfully detect and identify the likely sources of oil on water.

- **Global coverage & wide area monitoring**
  
  SAR satellite images provide a visual record of the presence, location, extent and persistence of oil on water. The RADARSAT-2 satellite can monitor any location on the globe, and each satellite image covers an area of up to 90,000 sq km with 25 m resolution (an example of the many flexible RADARSAT-2 beam modes that are available)—providing broad and valuable context around key assets. RADARSAT-2 can be programmed to collect smaller footprint and finer resolution images to meet client-specific needs.

- **Weather independent**
  
  The RADARSAT-2 satellite can image through all-weather including haze, fog, cloud, rain and snow (and in total darkness) making it an excellent reliable and repeatable solution for monitoring challenging offshore environments under a wide variety of conditions.

- **Non-intrusive monitoring**
  
  Satellite surveillance reduces both the Health, Safety, Security, and Environment (HSSE) risks and the high costs associated with traditional ship-based or aerial (fixed-wing or helicopter) surveillance, while supporting best practices in HSSE and regulatory compliance.

- **Easy-to-use deliverables**
  
  Oil Track Service deliverables are verified by GIS experts and can be easily integrated into oil spill fate models to enhance preparedness exercises and cleanups of incidents that may occur anywhere in the world.

Benefits

- **React faster and with confidence to natural and anthropogenic oil sources approaching and around production platforms before they are sighted and reported by other organizations.**

- **Monitor, report, and verify an oil handling facility’s compliance to regulations.**

- **Reduce response costs and optimize resources associated with an oil pollution incident by having relevant and near real-time information on the oil spill extent.**

REGULATORY COMPLIANCE

A reliable source that identifies oil on water for reporting, response and litigation purposes

INCIDENT RESPONSE

Distinguish the source of oil in the vicinity of platforms and floating production storage and offloading (FPSO) facilities to aid cleanup activities

EXPLORATION SUPPORT

Natural oil seep detection and cluster analysis to support Geochem sampling and other exploration programs
Sources of oil on water

**SERVICES, FEATURES & DELIVERABLES**

**Oil Tracker Complete** | **Oil Tracker Rapid Alerts** | **Oil Tracker On-Call** | **Oil Tracker Basic**
---|---|---|---
| included /  | | | 

**Multi-Sensor solution** includes RADARSAT-2, and other SAR sensors such as RADARSAT Constellation Mission, Sentinel-1, Kompsat, TerraSAR-X, and COSMO Skymed (as required to meet customer requirements)

**Routine Imaging over the area of interest**
- Provides increased coverage and reliability compared to single-sensor solutions

**Archiving of all Satellite Images** acquired during the program over the area of interest
- Stored in our secure archive

**24/7 Support**
- Access to a 24/7/365 Operations Center and Emergency Response Support Team

**Industry standard file formats** for all deliverables supporting seamless integration into GIS and Common Operating Picture geospatial web portals

**Oil Tracker Report**
- Expert-Derived Analysis Polygons – identified oil on water polygons
- Wind Maps – wind speed and direction maps
- Analysis Summary – summary of analysis and satellite image acquisitions

**Rapid Alert Message**
- Rapid Alert Message – email notification identifying oil on water anomaly polygons
- Oil Tracker Report – detailing the identified oil on water event

**Full Resolution Satellite Image (Uplift)**
- Delivery of the full resolution satellite image used in the analysis

**Emergency Programming Event**
- Emergency programming and acquisition of one satellite image (typically RADARSAT-2)
- Oil Tracker Report issued in Near Real-Time

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1 Report deliverables for each level of service differs. Inquire for more information.

2 Near Real-Time means each Oil Tracker Report would be delivered within four hours after receipt of satellite image(s) of the relevant area of interest at the Canadian Data Processing Facility.