



MARINE

AWARE RESPONSE

Protect yourself from the threat of oil spills with MarineAware Response's advanced satellite monitoring and dispersion modelling

According to UNCTAD, global maritime trade reached 12.3 billion tons in 2023, and the sector is projected to grow by an average of 2.4% annually through 2029. Our seas and waterways have never been so busy.

With increased shipping comes increased risk from oil spills. Thousands of oil spills from ships go unreported each year. These spills threaten marine life, fishing industries, tourism and coastal infrastructure.

“Just 474 out of more than 90,000 oil slicks from ships around the world were reported to authorities over a five-year period”

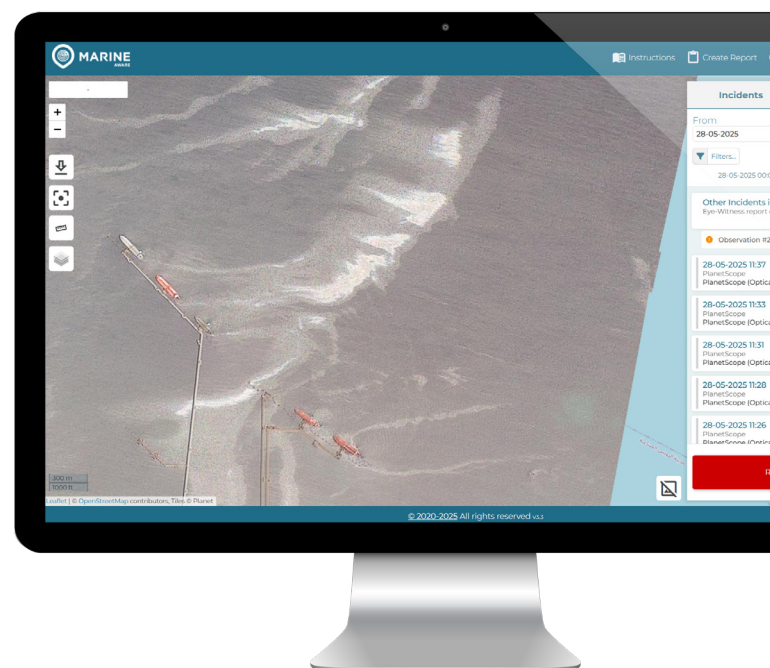
Chronic oiling in global oceans, Science Vol. 376, No. 6599

MarineAware Response is a web-based platform which manages those risks. It provides advance warning of oil spills through high resolution satellite imagery and incorporates integrated trajectory and source modelling to inform a response in the event of an incident.

MarineAware Response can be provided as a software subscription for clients wishing to conduct monitoring themselves, or as a managed service where monitoring is done by our team of experts, providing daily reporting and support when a spill is identified.

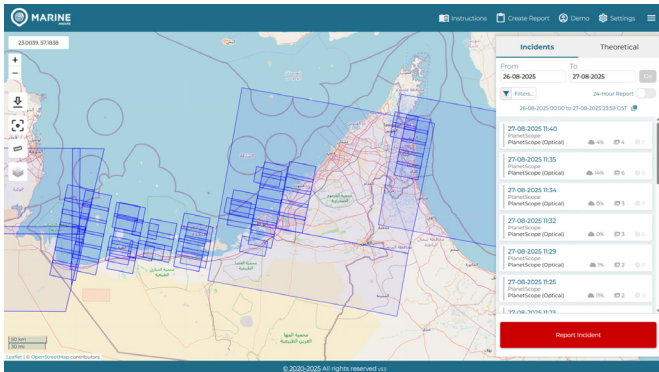
BENEFITS

- Daily satellite imagery gives advance warning of oil spills across large areas
- Modelling shows oil spill trajectory and dispersion
- Option of managed service with monitoring, daily reporting and incident support



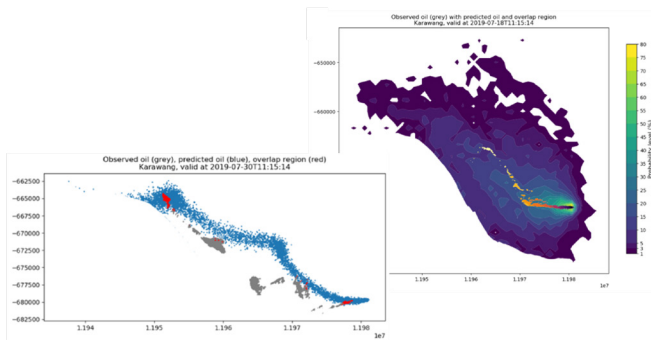
End-to-End Incident Support

Continuous Monitoring



MarineAware Response provides a continuous feed of satellite imagery from a range of constellations. The satellites give global coverage so MarineAware can be deployed anywhere in the world.

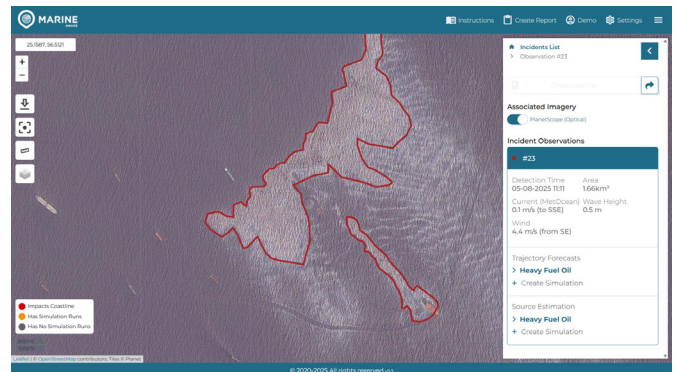
Proven Modelling



Identified oil spills can be simulated using the MarineAware dispersion model to predict the trajectory of oil. Spills can be simulated 72 hours ahead of when they were observed. The model has been independently validated by the UK's Science and Technology Facilities Council.

Contact us to arrange your free trial of MarineAware Response today

High Resolution Imagery



Optical imagery up to a resolution of 3 metres means even small oil spills can be identified. Radar imagery, also available through the platform, ensures monitoring continues even when cloud cover is high.

Post-Incident Investigation



Ship tracking AIS information is available through the platform. This data is combined with the source estimation capability of the MarineAware model to help identify if nearby shipping activity was responsible. This feature acts as a deterrent, encouraging vessel operators to report spills.

For more information or to discuss how we can work together, please contact us on:

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