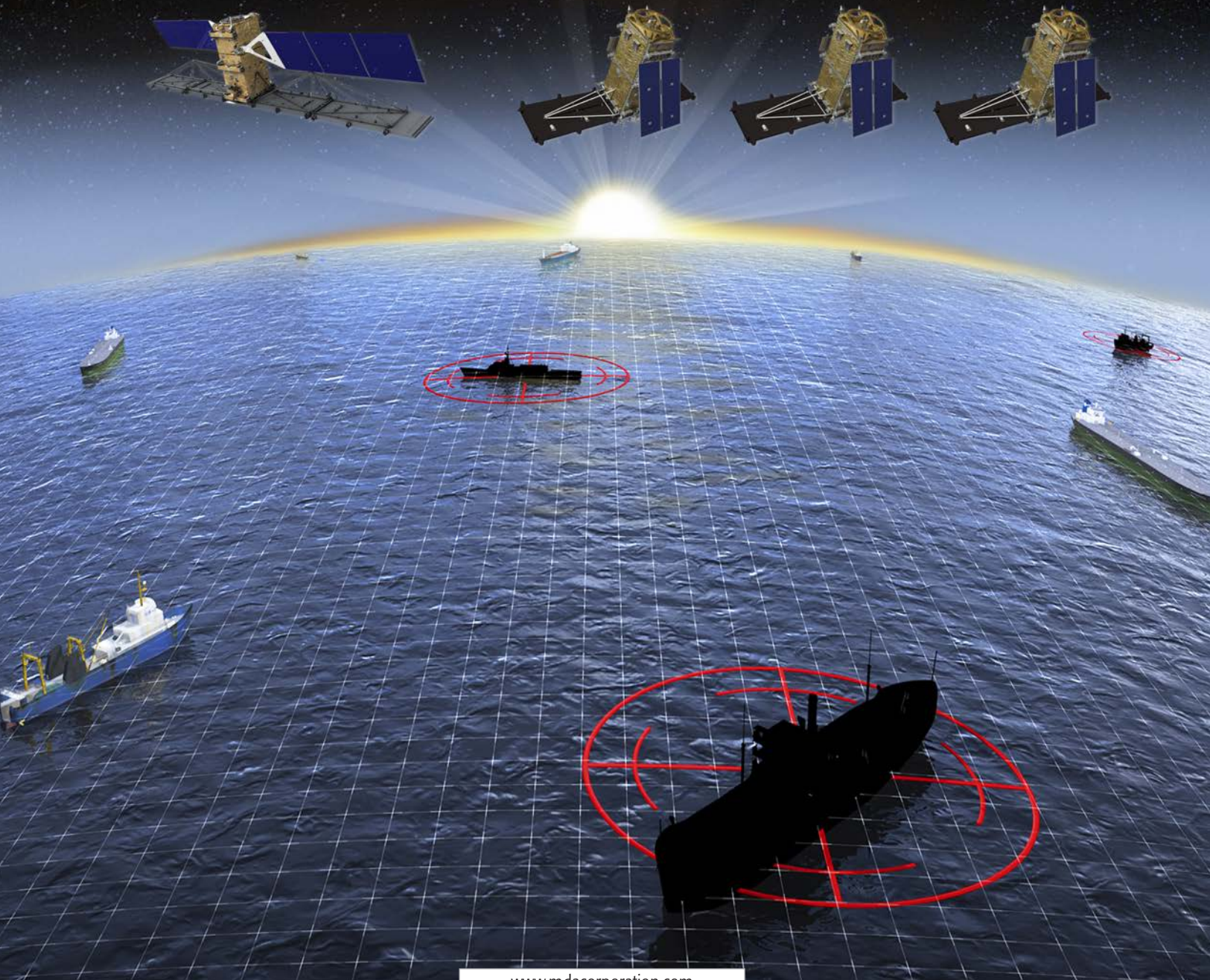


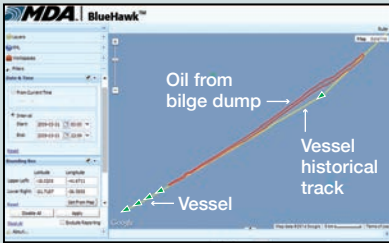


SURVEILLANCE AND INTELLIGENCE

MDA BLUEHAWK™



www.mdacorporation.com



Environmental Protection

MDA BlueHawk™ identifies vessels engaged in illegal bilge dumping. Oil spill information from satellite radar is matched with AIS vessel tracks and metocean data to identify the polluting vessel and provide key evidence for use in investigation and prosecution.

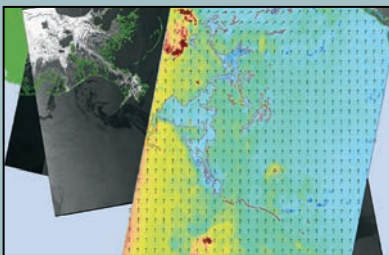
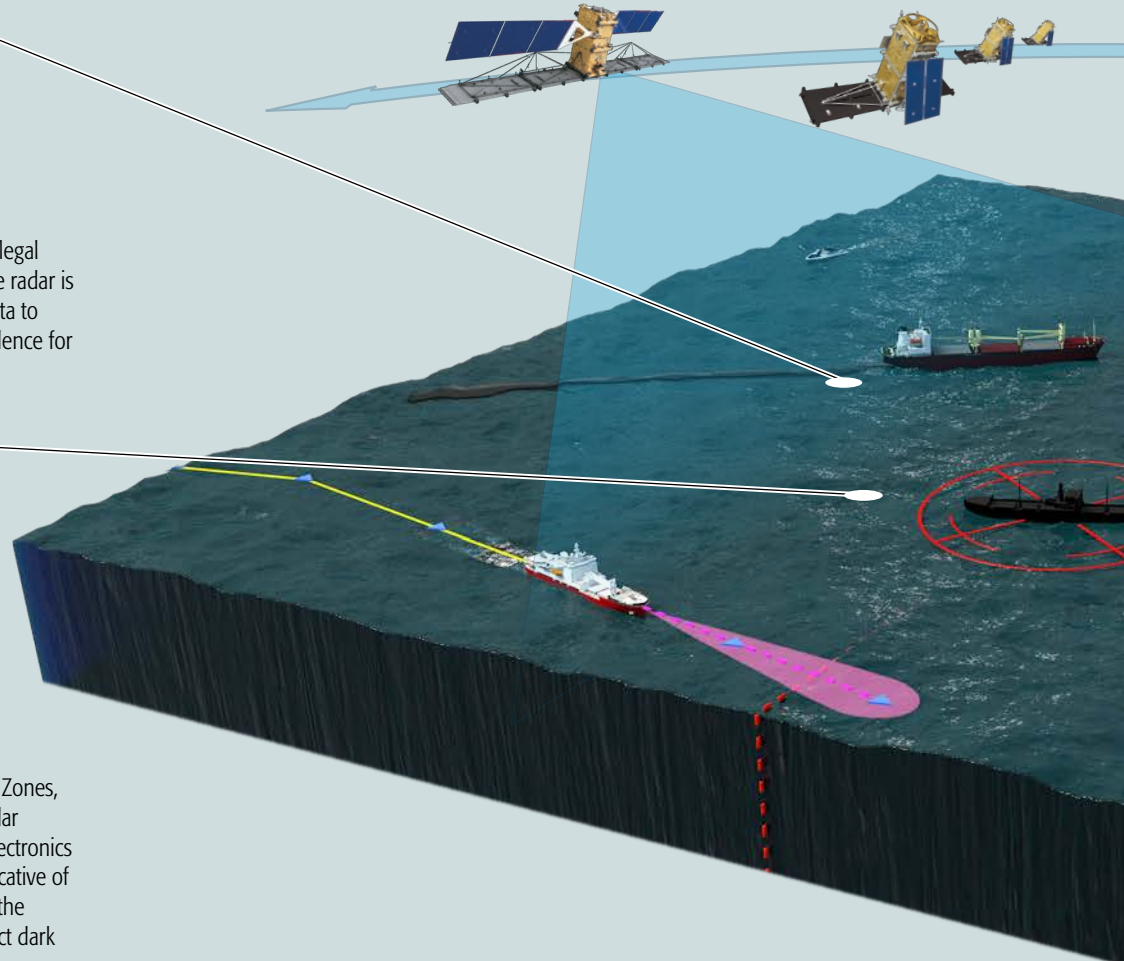


Sovereignty Protection

MDA BlueHawk detects foreign naval vessels encroaching on or transiting Exclusive Economic Zones, territorial waters, or controlled areas. Satellite radar detects dark targets (vessels operating with all electronics and self-reporting turned off) which may be indicative of illegal activities or threats. Operating far beyond the range of patrol aircraft, MDA BlueHawk can detect dark targets globally.

RADARSAT-2

RADARSAT CONSTELLATION MISSION (Future)



Broad Area Monitoring

With the industry's largest coverage at more than 250,000 square kilometers per satellite image, MDA BlueHawk delivers valuable information over vast ocean areas far

beyond the reach of coastal and ship-based sensors. Radar satellites operate regardless of weather and darkness, and provide information including ship detections (vessel location, size, and heading), oil spills, and metocean data.



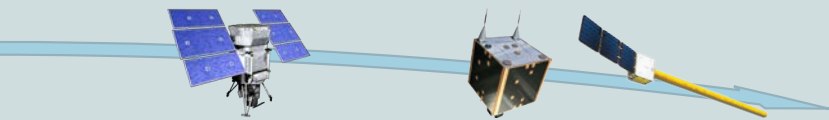
Data Fusion

MDA BlueHawk combines information derived from RADARSAT-2, the most powerful source for global maritime surveillance, with diverse additional data to generate a comprehensive maritime picture previously

unavailable as an unclassified commercial service. Other data sources include vessel tracking services (e.g. AIS, LRIT, VMS), vessel registration databases, historical maritime traffic records, metocean data, 3rd party optical and radar satellites, watch lists, MOU lists and customer-generated data such as coastal and airborne radar.

OTHER COMMERCIAL RADAR AND OPTICAL SATELLITES

AIS/LRIT/VMS



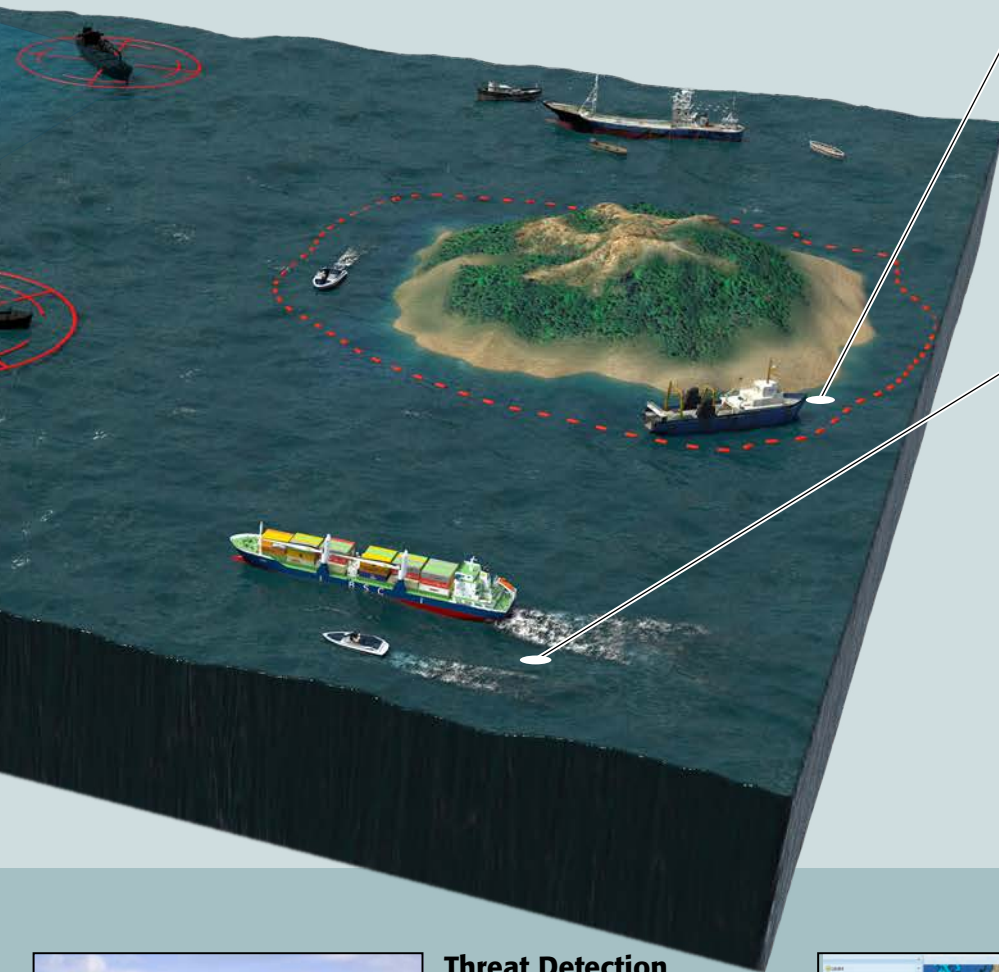
Fisheries Protection

MDA BlueHawk detects illegal, unreported and unregulated fishing activities in controlled fishing areas. MDA BlueHawk matches satellite radar-based ship detection to VMS and other data to locate illegal fishing vessels, in order to protect national interests and preserve valuable fish stocks.



Counter Trafficking

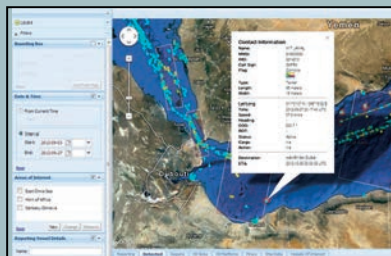
MDA BlueHawk finds and identifies suspicious inbound vessels or those transiting territorial waters, for investigation or interdiction. Alert conditions can include dark target detection, suspicious behavior, or the crossing of geofences. Accurate detection and tracking enables efficient queuing of patrol assets to intercept targets and maximize "eyes on target", while minimizing resource and fuel usage.



Threat Detection and Alerts

MDA BlueHawk includes sophisticated analytics that automatically identify and alert users of suspicious vessel behavior. Analytics and alerts are easily configurable to suit operating requirements, and

can detect behaviors including vessel rendezvousing, sudden changes in speed or direction, loitering, spoofing, and geofence crossing. By calculating and monitoring predicted vessel tracks, BlueHawk can even trigger an alert before a vessel reaches the user-defined geofence.



Common Operating Picture

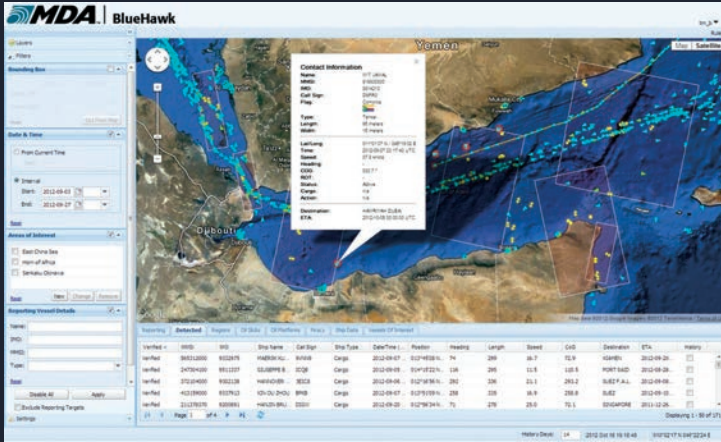
Viewable on any web browser, MDA BlueHawk provides a complete, integrated Maritime Domain Awareness picture. The intuitive interface allows users to control displayed layers including target locations and types, oil

spills, satellite imagery, metocean data, vessel registry data, and other contextual information. User-generated data such as KML, text notes, and watch lists can be imported. Because MDA BlueHawk is an unclassified service, information can be freely exchanged between users, agencies, and governments.



Global Maritime Domain Awareness and Threat Detection Solution

MDA BlueHawk provides an unclassified multi-sensor Maritime Domain Awareness picture to maritime security organizations worldwide. Fusing space-based radar, AIS vessel tracking and other maritime information, MDA BlueHawk monitors vast maritime regions, rapidly detecting potential threats as far from shore as possible.



The Information You Need

MDA BlueHawk delivers essential information that is critical to mission success including:

- Where are the vessels in my area of interest?
- Which vessels don't want to be seen?
- Which vessels are potential threats?
- Have there been any oil spills in my area of interest?
- What else is happening in my area of interest?

Immediate Access

MDA BlueHawk can be accessed through any web browser, enabling immediate deployments with no IT investment or maintenance (MDA BlueHawk Online). MDA BlueHawk is also available as a direct data feed (MDA BlueHawk Datafeed) into customer systems, or as an enterprise-class system installed at customer locations (MDA BlueHawk HQ).

ABOUT MACDONALD, DETTWILER AND ASSOCIATES LTD.

MDA is a global communications and information company providing operational solutions to commercial and government organizations worldwide.

MDA's business is focused on markets and customers with strong repeat business potential. In addition, the Company conducts a significant amount of advanced technology development.

MDA's well-established global customer base is served by more than 4,800 employees operating from 11 locations in the United States, Canada and internationally.

Leveraging over 20 years of experience in processing and delivering Earth Observation data, products and services to a global customer base, MDA is a recognized leader in the provision of satellite-based information, data products, and services.

CUSTOMER SATISFACTION

For over four decades we have worked closely with our worldwide customer base to provide them with information solutions that leverage advanced technologies and allow them to conduct their business more efficiently.

For more information on MDA BlueHawk, please contact us today:

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