ACCIPITER®
ACCIPITERRADAR.COM

Homeland Security

WORLD'S MOST EFFECTIVE AND AFFORDABLE WIDE-AREA SITUATIONAL AWARENESS

Accipiter provides the world's most effective and affordable wide-area situational awareness solutions for applications that impact the safety and well-being of the public, individuals and the environment.

Accipiter's Surveillance-to-Intelligence™ (S2I) solutions act as a force multiplier for security and safety personnel by providing them with the tactical and strategic intelligence they require to identify suspicious or hazardous behaviour and direct an appropriate response.

GLOBAL PROVIDER OF HIGH PERFORMANCE RADAR SOLUTIONS

Accipiter Radar is a global provider of high performance radar surveillance solutions built upon its patented Radar Intelligence Network™ (RIN) platform technology. Accipiter's Surveillance-to-Intelligence™ (S2I) solutions are designed to detect and track small uncooperative targets such as pleasure-craft on inland and coastal waterways, low-flying aircraft including drones, ultralights and general aviation aircraft, and vehicles or people on the ground. The result is enhanced security and safety through unprecedented all domain awareness for your monitored coasts and inland lakes and rivers, borders and critical infrastructure facilities. Applications include border security, coastal surveillance, port security, critical infrastructure protection, search and rescue, industrial security and law enforcement.

WORLDWIDE PRESENCE AND SUPPORT

Accipiter Radar Technologies Inc. is headquartered in Ontario, Canada and Accipiter Radar Corporation is headquartered in New York State, USA. Our extensive network of qualified strategic partners enables us to deliver high quality systems and services globally, ensuring excellence in matching system selection and specifications to customer requirements, installation, training, documentation and local maintenance and technical support.

Our in-house team of experts in advanced radar engineering, information technology and software development, partnered with in-house domain expertise in homeland security as well as search and rescue deliver the most capable and affordable, situational awareness systems on the market today.

ACCIPITER'S RADAR INTELLIGENCE NETWORK™ PLATFORM TECHNOLOGY

Accipiter offers several carefully engineered systems to address your particular homeland security problems, and they are all built on our patented and game-changing Radar Intelligence Network™ (RIN) platform technology. The RIN architecture ensures your system can easily adapt and grow with your changing threats and needs.

Our novel approach to wide-area, real-time detection, tracking, post processing, and display coupled with on-the-fly and interactive analytics applied to historical target data sets us apart from any other radar systems provider, by giving you unprecedented situational understanding and decision support.

Our RIN allows any number of sensors to seamlessly connect over any TCP/IP network to our patented M3® Target Information System which forms the heart of all our delivered systems. And because the RIN was engineered to be radar agnostic, the right radar sensor(s) can be selected for your problem.
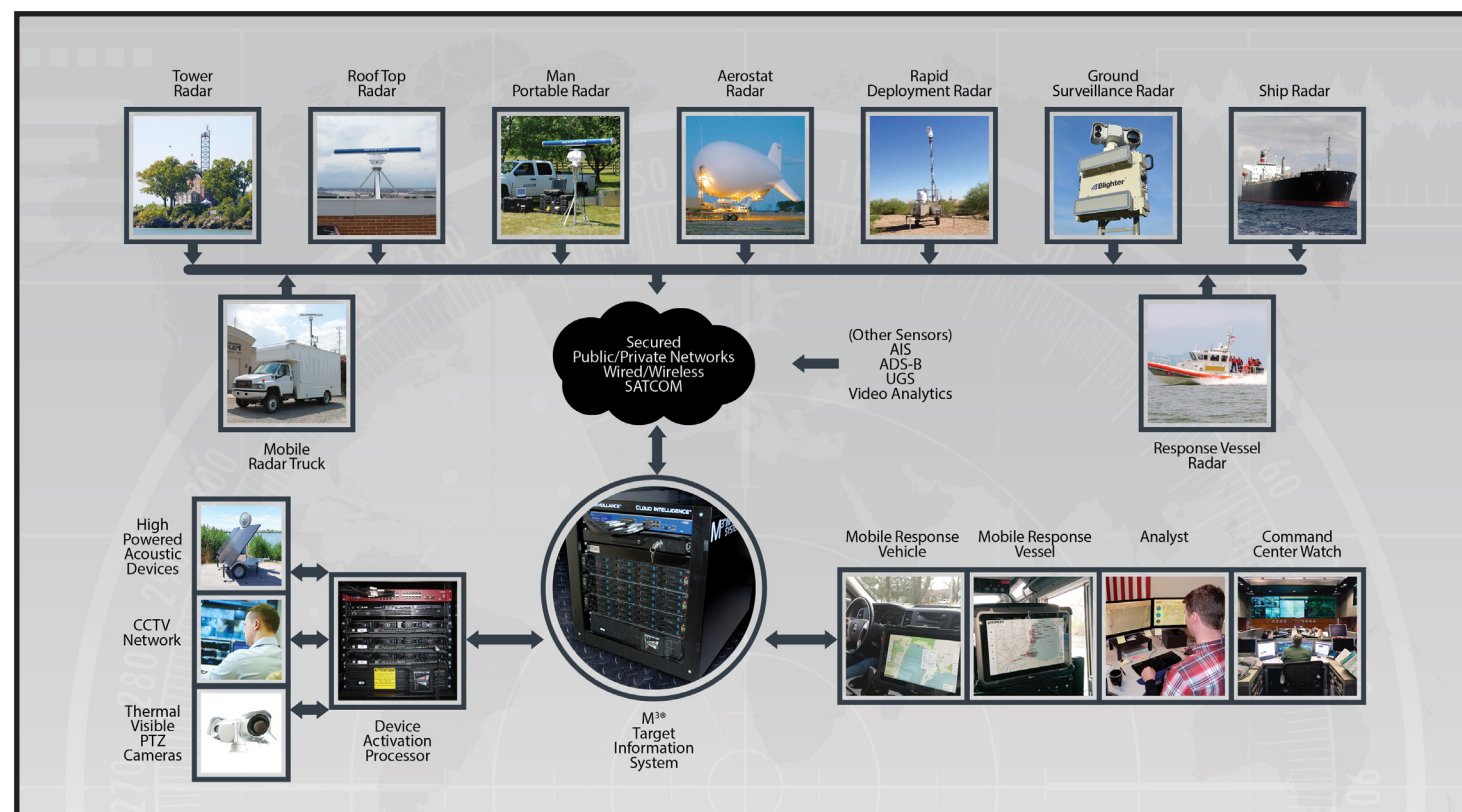
M3® TARGET INFORMATION SYSTEM

Accipiter's multi-sensor, multi-mission, multi-user M3® Target Information System (TIS) provides the ultimate in multi-sensor target data processing, query and retrieval, enabling rapid and efficient understanding that leads to strategic and tactical decision making. The TIS not only organizes, stores indefinitely, fuses, manages and distributes the rich sensor target data in earth coordinates; but

it also drives an ecosystem of user apps we call Surveillance-to-Intelligence™ (S2I) tools to deliver tactical and strategic information to users. Furthermore, the TIS integrates with a Device Activation Processor (DAP) that can be radar-activated to trigger camera geo-coordinate queuing and acoustic hailing in response to identified target scenarios. And real-time replication technology (RTRT) mirrors the TIS to other locations for partner information sharing, data redundancy and evidence protection.

SURVEILLANCE-TO-INTELLIGENCE™ (S2I) TOOLS

Accipiter provides a suite of easy to use S2I tools, giving users with different roles or missions the situational understanding they need to be more effective at performing their duties. Tactical tools such as the Accipiter® Radar Common Operating Picture (COP) give watch standers and dispatchers a real-time map-view of target tracks from all sensors with built-in, 24-hour rapid replay along with alerts in response to detected threats of interest. Our tablet-based Mobile Response COP gives responders in vessels and vehicles a user-centric display, allowing them to more easily put their own eyes on live targets of interest so they can intercept.

Our strategic S2I tools interactively or on-the-fly rapidly mine the TIS's historical target data to give intelligence analysts and managers understanding of target activity patterns and specialized reporting such as border crossing reports that allow them to better manage and allocate resources, as well as to plan operations to mitigate risk. The Accipiter® Track Histories Viewer delivers spatial patterns of tracks in your area of responsibility every hour, while the Accipiter® Target Analyzer Software (TAS) allows the analyst to generate a variety of temporal and spatial target activity distributions including heat maps, all filtered by time, date, size, speed, heading and altitude (where applicable).

The TIS also integrates with your third-party C2, dashboard and enterprise geographical information systems; and also enables development of specific analysis and display tools by customers themselves. Any number of users can simultaneously operate their favorite S2I tools.

A variety of Accipiter® systems built on our RIN platform technology.

Accipiter® S2I Tools

Homeland
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INTELLIGENCE-LED OPERATIONS FOR MORE EFFECTIVE AND AFFORDABLE RISK MITIGATION.

Understanding the movement and behaviour of vessels and low-flying aircraft in very large areas of responsibility (AOR) is critical to threat identification and risk mitigation. Accipiter provides a number of Accipiter® security radar systems that are specially designed to deliver affordable 2D and 3D Total Coverage® situational awareness and understanding through a comprehensive suite of Surveillance-to-Intelligence™ (S2I) software applications for live monitoring, automatic alerting, target activity analysis, and standardized reporting.

Our target data rich, M³® Target Information System fills a critical gap in homeland security, by capturing for ever target movements in your AOR, 24/7/365, in a patented information system designed for big data, rapid querying. Combined with our specialized S2I tools, you have the easy-to-use, decision support you need to understand your dense target environment, characterize target activity patterns, identify behaviours of interest, and execute intelligence-led operations that make the smartest use of your limited resources. Enabling true force multiplication.

OPERATIONAL ADVANTAGES

All Domain Awareness through:
- 24/7/365 wide area integrated radar surveillance
- Tracking of small vessels, low flying aircraft/UAS and ground moving targets
- Integrated AIS, ADS-B, cameras and other data sources

Benefits:
- Know where your targets are and where they have been
- Automated alerting to situations of interest
- Real-time and analytical/historical target information sharing with partners
- Force Multiplication through smarter and coordinated response

Providing Safety and Security for:
- Border Security
- Marine and Coastal Surveillance
- Port Security
- Critical Infrastructure Protection
- Search and Rescue
- Industrial Security
- Law Enforcement

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