ACCIPITER®
ACCIPITERRADAR.COM

Public Safety and Security

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

Accipiter's missing is to provide 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 acts as a force multiplier for safety and security personnel by providing them with the tactical and strategic intelligence they require to identify suspicious or hazardous behaviour and direct an appropriate response.

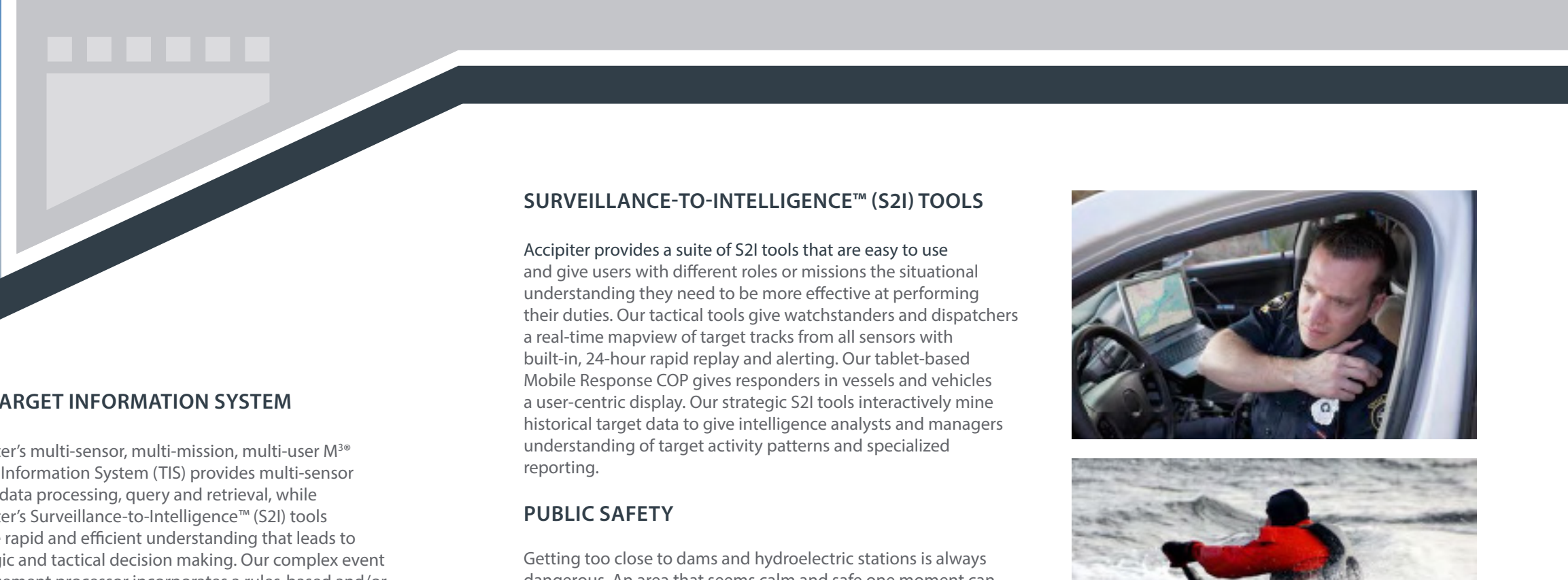## GLOBAL PROVIDER OF HIGH PERFORMANCE RADAR SOLUTIONS

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 reservoirs, dams, lakes, rivers, coasts, prisons, nuclear power stations and other critical infrastructure facilities.

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, ensures 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, camera and deterrent technology and software development, partnered with in-house domain expertise in public safety, homeland security as well as search and rescue deliver the most capable and affordable, situational awareness systems on the market.

ACCIPITER'S RADAR INTELLIGENCE NETWORK™ PLATFORM TECHNOLOGY

Accipiter offers several carefully engineered systems to address your particular safety and security problems, built on our patented Radar Intelligence Network™ (RIN) platform technology. The RIN architecture ensures your system can easily adapt and grow with your changing hazards, 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 sensor agnostic RIN allows any number of sensors to seamlessly connect to our patented M³® Target Information System.

SALUS™ SURVEILLANCE MANAGEMENT SYSTEM

SALUS™ acts as a centralized integration hub, receiving inputs from cameras, radars and other appropriate sensors, determining activity that is non-desirable based on a site and mission specific, pre-programmed rules engine, then generating response actions such as camera and search-light cuing to target of interest, automatic following of target of interest, recording real time and generating user alert notifications via email, SMS messages and on local or remote monitoring displays. Fixed or agile acoustic hailing devices may be slewed to specific targets and provide audible warnings, automatically or on demand.

M³® TARGET INFORMATION SYSTEM

Accipiter's multi-sensor, multi-mission, multi-user M³® Target Information System (TIS) provides multi-sensor target data processing, query and retrieval, while Accipiter's Surveillance-to-Intelligence™ (S2I) tools enable rapid and efficient understanding that leads to strategic and tactical decision making. Our complex event management processor incorporates a rules-based and/or artificial intelligence (AI) based priority engine to enable, live event alerting and geo-coordinate queuing of cameras and acoustic hailing in response to identified target scenarios. Behaviors such as exclusion zone incursion, loitering, rendezvous or underlying suspicious activity can all be programmed with appropriate cause and effect response.

CCTV CAMERA AND THERMAL IMAGING

CCTV along with thermal imaging cameras enable verification of radar-tracked targets that may pose a safety or security concern.

Accipiter's high performance target tracking both at near and far distances, enables effective cueing of cameras that may be located with the radar sensor or elsewhere to determine the type of target (pleasure craft, fishing boat, drone, vehicle or person), and if that target is in distress, behaving in an unsafe manner or is a threat to security.

ACCIPITER® PT STEERABLE POSITIONER

Accipiter's PT Steerable Positioner, provides the ideal platform to target sensors and devices in automated or manual response to potential threats. Payloads include searchlights, cameras, acoustic hailing devices or targeting 3D drone radars.

SURVEILLANCE-TO-INTELLIGENCE™ (S2I) TOOLS

Accipiter provides a suite of S2I tools that are easy to use and give users with different roles or missions the situational understanding they need to be more effective at performing their duties. Our tactical tools give watchstanders and dispatchers a real-time mapview of target tracks from all sensors with built-in, 24-hour rapid replay and alerting. Our tablet-based Mobile Response COP gives responders in vessels and vehicles a user-centric display. Our strategic S2I tools interactively mine historical target data to give intelligence analysts and managers understanding of target activity patterns and specialized reporting.

PUBLIC SAFETY

Getting too close to dams and hydroelectric stations is always dangerous. An area that seems calm and safe one moment can turn into a dangerous surge of rising and fast-flowing water without warning. Our systems track targets that enter dangerous areas and provide automated directional audible warnings, as well as notifying remote operators with visual verification (radar tracks and video), while enabling push-to-talk audible communications.

FACILITY SECURITY

Prisons, government buildings, data centers and other corporate or industrial facilities are all at potential risk of security threat. Our systems seamlessly integrate radar sensors (ground, air and marine), cameras (optical and thermal imaging) and RF sensors to deliver unprecedented live situational awareness, alerting, target verification and automated mitigation warnings (such as loud hailers and illumination) to aid responders, no matter the threat.

ENVIRONMENTAL MONITORING

Ice build-up and flow is a major cause for concern for hydro-electric power plants, while adverse weather can impact boaters with little or no notice. Accipiter technology monitors large ice masses and significant rain events to enable audible warnings to the public, notifications to personnel on the ground and monitoring with integrated video surveillance. Our advanced M³® Target Information System stores all historical data and our S2I analytical tools enable greater understanding based on previous years activity leading to more predictable forecasting.

Public Safety & Security

STATE-OF-THE-ART MONITORING AND ALERTING TO ENHANCE PUBLIC SAFETY AND SECURITY FOR CRITICAL INFRASTRUCTURE SUCH AS NUCLEAR POWER PLANTS, PRISONS, RESERVOIRS, DAMS, RIVERS AND HYDRO-ELECTRIC FACILITIES

Preventing public from approaching, entering or conducting unapproved / illegal activities, requires a flexible and agile approach to surveillance and monitoring. Activities such as getting too close to dams and hydroelectric stations, entering an unauthorized area or using drones to carry out nephroids activities all pose unique surveillance and response challenges. Accipiter's sensor and device agnostic platform enables a strategic approach to sensor type selection, while delivering a multi-user, multi-mission tactical solution aimed at delivering live situational awareness to threats and enabling appropriate and prescribed responses.

Affordably managing the risk of threats such as these requires a smart, risk-based, multi-layered and partner shared approach to threat assessment, identification, alerting and mitigation. Accipiter's flexible and proven strategic and tactical domain awareness capabilities provide the decision support needed to serve you and your safety/security partners from wherever they happen to be located.

OPERATIONAL ADVANTAGES

- 24/7/365 live situational awareness of vessels, vehicles, people and drones
- Automated alerting to situations of interest and exclusion zone breaches
- Automated camera cueing for visual verification and target tracking
- Automated and manual acoustic hailing/communication of warnings
- Rapid response to potential security threats
- Real-time and analytical/historical target information sharing
- Incident playback and historical trend analysis
- Weather and ice flow monitoring

PROVIDING SAFETY AND SECURITY FOR:

- Critical Infrastructure
- Nuclear power plants
- Prisons
- Reservoirs and dams
- Large rivers and canals
- Hydroelectric facilities
- Waterside critical infrastructure
- Ports and marinas

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