



# ENHANCED SITUATIONAL AWARENESS SOLUTIONS FOR POLICE AND FIRST RESPONDERS

BRINGING MILITARY-GRADE SOLUTIONS TO THE PUBLIC SAFETY SECTOR



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# // MILITARY-GRADE TAK SOLUTIONS FOR POLICE AND FIRST RESPONDERS



Built on our experience with TAK development for North American militaries – DEFSEC Technologies is bringing cloud-based, intuitive, real-time situational awareness capabilities to the public safety sector. Our successes include the development and demonstrations of our Ground Search and Rescue (GSAR) tool for industry partnered law enforcement organizations through Public Safety Canada and a pilot of our cloud-based solution for use in wildfire recovery efforts with the Canadian Red Cross. In a world where seconds matter, our mission is to enhance situational awareness and advance technologies that improve the safety of public safety personnel.



**DEFSEC LIGHTNING™** is a cloud-hosted TAK-based SaaS platform that enables rapid incident responses with instant onboarding for inter-agency collaboration and real-time encrypted communication (text, voice, photo, video). Its simplified and intuitive interface requires no proprietary hardware, software, or IT maintenance, ensuring fast scalability without straining resources. With no major capital investment needed, it delivers secure and efficient incident management for organizations of any size.



The **TAK-enabled Sniper and Surveillance (T-SAS) System** is a solution for tactical operators engaged in fast-paced front-line operations. It brings real-time situational awareness from the eye of the spotter across the chain-of-command. T-SAS combines the latest digital optics technology with the power of TAK to deliver live video from their scope to command posts or other team members with minimal setup. The system is device-independent, allowing sensor data to be transmitted via data radios, cellular networks, Wi-Fi, or ethernet and the T-SAS sensor can be customized and integrated with situational awareness systems.



The **Ground Search and Rescue (GSAR) toolkit** for DEFSEC Lightning™ transforms SAR operations by digitizing processes through the TAK ecosystem and aligning with industry-standard procedures. It provides detailed tracking of search area progress, showing completed zones and percentage coverage while enabling real-time updates for enhanced situational awareness. Search managers can assign teams to specific segments and streamline coordination, supported by seamless photo, text, video, and voice communication. GSAR ensures faster, smarter, and more efficient responses, empowering teams to protect lives with precision and speed.



**BOOK A DEFSEC LIGHTNING™ DEMO**

Virtual or in-person demos available - contact 1-888-815-3222 | [lightning@defsectec.com](mailto:lightning@defsectec.com) to inquire.



The ARWEN® Less-Lethal System provides public safety officers with reliable, precision-engineered launchers and projectiles to subdue threats while minimizing risk. Designed for versatility, it allows control in critical situations with less-lethal solutions tailored to modern demands.



The **ARWEN® ACE** is a lightweight, less-lethal weapon with durable components that perform in most environmental conditions with reliability. Its rifled barrel delivers exceptional accuracy, while the open breech design enables rapid fire and quick ammunition changes. Affordable and easy to maintain, it's a versatile solution for law enforcement in critical scenarios.



The **ARWEN® 37 Mark III** is the first less-lethal weapon to combine lightweight, high accuracy and the ability to fire up to five shots without reloading. It also has the option to quickly change the ammunition type. This offers the operator a choice of tactics and a level of response unmatched by any other system.



**NEW // 40mm baton cartridge** has the renowned precision and reliability of the ARWEN® 37mm cartridge and is compatible with most 40mm launchers.



PARA SHOT® is a breakthrough in less-lethal systems. It combines the reliability of a cartridge with a polymer projectile in a low-energy self-stabilizing configuration for accuracy. Capable of a selection of less-lethal payloads (pepper powder, inert powder). Use case: Personal protection, law enforcement, animal control.



**MICRO:** Single shot version; Easy reload, small form factor for ease-of-carry; Integrated with high intensity flashlight and precision laser aiming system to assist in target identification, de-escalation, and accurate shot placement in low light and dynamic environments.



**MINI:** Five-shot quick reload version; Fires a selection of less-lethal payloads.



**LEC Ammo:** This patented Low Energy Cartridge (LEC) provides tuned muzzle energy for optimal less-lethal effect. The unique helical design works with the launcher to spin stabilize your choice of rounds.



**DO YOU REQUIRE ARWEN® TRAINING OR WOULD YOU LIKE TO HOST A DEMO?**

Contact 1-888-259-5292 | [arwen@defsectec.com](mailto:arwen@defsectec.com) to inquire.

This product is intended solely for use with the appropriate equipment in controlled environments by properly trained law enforcement and military personnel in accordance with their agency policies and applicable standards of use. The Company assumes no liability for any injury, damage, or loss resulting from improper use, unauthorized modification, or use with inappropriate, unintended or live ammunition. Improper use can cause serious injury or death. Any agency procuring and using Company products does so entirely at its own risk and assumes all liability arising from use. It is a condition of sale that use of this product is at the sole discretion and risk of the user and that the purchasing agency agrees to indemnify and hold harmless the Company and its parent, related or associated companies and their personnel, without limitation, from all actions of any kind whatsoever arising from the agency's use of Company products. Users are responsible for determining that use is safe under the specific circumstances, and for implementing all necessary safety measures, controls, and supervision. Users are responsible for ensuring compliance with all applicable laws, regulations, and safety protocols. ARWEN® products are never to be fired at the head or throat or at elderly, pregnant, vulnerable or infirm subjects. See ARWEN® product specifications before use (available at <https://www.arwenleslethal.com/launchers/>). Test and evaluate ARWEN® products for suitability in accordance with your agency standards, policies and procedures. Use of this product constitutes acceptance of these terms.

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