RAFAEL
ADVANCED DEFENSE SYSTEMS LTD.



SMART AND TO THE POINT.

L-SPIKE® 1X

Tactical Loitering Munition

Combat Proven Loitering Munition

The system has been operationally deployed by dozens of field units in some of the most challenging combat environments. It has demonstrated resilience against GPS and communication disruptions, adverse weather, and complex terrain. To date, it has successfully conducted over 10,000 sorties, achieving an impressive 91% mission success rate with zero safety incidents reported. Beyond these achievements, the L-SPIKE 1X has become known as the "Company Commander's Army Aviation," empowering tactical levels with new capabilities of survivability and independence on the battlefield.

Benefits

- **Battle Resilience -** GPS Independent (SLAM Technology), resilient to communications and navigation disruption
- **Moving Target Tracking -** Day/Night sensors, target tracking capabilities, AI target prediction, low acoustic signature
- **High Maneuverability -** Coaxial rotor design, compact, agile
- **MIL-STD Safety -** Retrievable in case of mission abort, zero safety incidents
- **Multi-Platform compatibility -** Backpack-portable, combat-vehicle mounted, ground docking-station

Concept of Operations (CONOPS)

- **Offensive Operational Concept:**

  The Company's Army Aviation - Game Changer for Maneuvering Forces

  1. Lightweight, backpack-portable, and intuitively operated
  2. Enables tactical units to engage remote, non-line-of-sight targets without relying on external fire support

- **Defensive Operational Concept:**
  Remote-Controlled Quick Reaction Force

  1. Operated from a remotely located control room
  2. Launched from concealed forward docking station, embedded in soft spots in defense layers
  3. Lethal, persistent, agile and ready to respond instantly to evolving threats











Specifications

- **Range:** Up to **5 km**
- **Munition Weight: 2.2 kg**
- **Loitering Time: 15 min** (attack) **/ 30 min** (recon)
- **Warhead: 0.4 kg, 360°** fragmentation

Combat-Proven Like No Other



In operational use by dozens of field units



Over 12,000 operational sorties



Over 90% mission success rate in combat

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