The Next Step in Expeditionary Air Launched Effects

SNC’s Air Launched Effects (ALE) aircraft system is designed for precision penetration of enemy defenses for a low-risk, low-cost, high-value solution for suppression and defeat of advanced threats together with Precision Fires and Intelligence, Surveillance and Reconnaissance (ISR) missions.

WARNING – Exports, sales, and offerings of the products and technologies discussed herein are subject to U.S. Government approval.
Air Launched Effects
Anti-A2AD Aircraft System

Mission Capabilities

1. Tailless, unfolding flying-wing configuration
2. Composite folding airframe
3. Wing Span ~11.8 ft
4. Quiet electronic propulsion
5. Beyond-Line-of-Sight (BLOS) datalink for extended reach
6. Internal antenna provisions in multiple locations
7. Secure RF LOS digital datalink from ALE to host aircraft & control station
   - LPI/LPD & Mesh Network tested

ALE Deployed Wings Unfold

1. ALE Deployed
2. Wings Unfold
3. Wings and Tail deployment complete
4. Deployment Complete.

Mission Control Software
- Tablet-based STANAG-4586 Interoperable Mission Control Software
- Mission Control Software is cross platform: Linux, Android, Windows

ALE Overview

- 4+ hour endurance with payloads
- Low RCS & observable signature, visual & acoustic
- Below-cloud-deck ISR
- Look-angle access to rural/urban canyons
- Long-range penetration of denied areas
- Multi-Modal Collection at inaudible altitudes
- Surveillance & reconnaissance with simultaneous option to “Soft Kill” advanced threats
- Supplemental Mission Payload Bay for additional effects
- Quick Reaction SUAS delivery at point/time-of-need
- Increase host aircraft standoff
- Pursuit of multiple diverging targets
- Electronic Attack & Cyber Effects delivery
- Mission recon/overwatch/BDA
- Tablet-based STANAG-4586 Interoperable Mission Control Software

4+ Hour Endurance with payloads

Cruise / Dash Speeds: 40 kts / +100 kts

~18 lbs when outfitted with both EW & EO/IR

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