

# SILENT SWARM® UNATTENDED EW SYSTEM

Extremely small, low-power solution delivering **on-demand EW and PNT effects** to achieve electromagnetic spectrum dominance

SRC, Inc., is supporting the warfighter in the future fight, delivering systems and capabilities to help ensure electromagnetic spectrum dominance against any adversary.

SRC's small form factor, *Silent Swarm*® unattended EW system delivers key cyber electromagnetic attack (CEMA) capabilities to the warfighter at an unprecedented size, weight, power and cost (SWaP-C).

## APPLICATIONS

SRC's *Silent Swarm* system can emulate key navigation warfare (NAVWAR), NAVWAR situational awareness (NAVSENSE), and EW capabilities on the battlefield to overwhelm and overmatch any adversary.

- Assured-position, navigation and timing (A-PNT)
- Anti-access area denial (A2AD)
- Counter A2AD
- Counter counter-fires
- Counter-PNT
- Cyber situational understanding
- Deception
- Decoy
- Electronic attack
- Electronic protection
- Electronic support
- NAVWAR

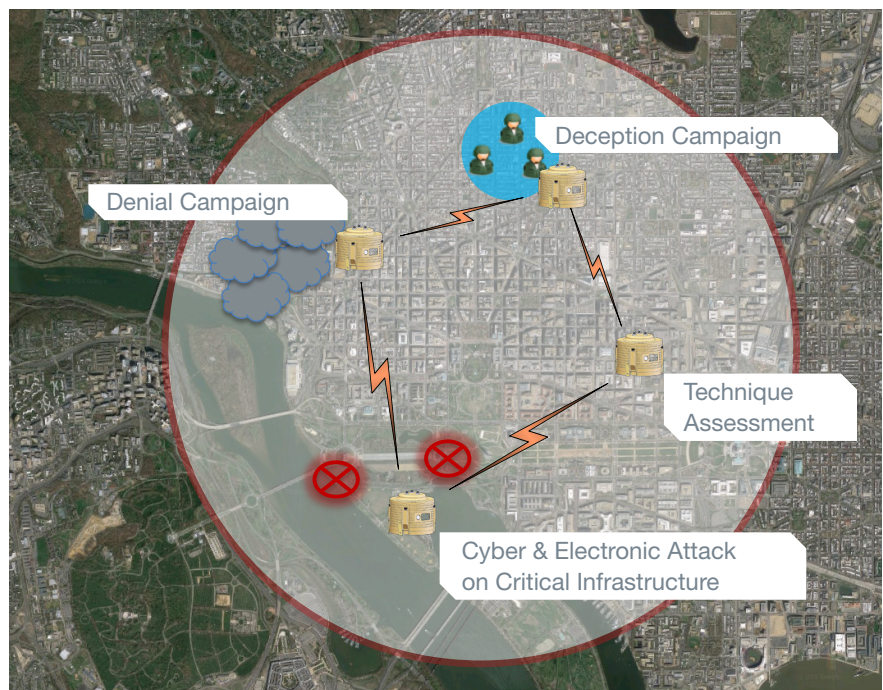
- NAVWAR situational awareness
- Offensive cyber
- Targeting for long range precision fires

The system is inconspicuous and ideal for long-term emplacement in hostile locations. It can be used as an unattended decoy, leveraging the electronic warfare integrated reprogramming database's (EWIRDB) validated radar emitter intelligence data to imitate BLUFOR and REDFOR radar and weapons systems and communications. The system also provides advanced cyber and non-traditional intelligence, surveillance and reconnaissance functionality for identifying and exploiting adversaries.

SILENT  SWARM

**THE SILENT SWARM SYSTEM IS MAN-PORTABLE AND EMPLACEABLE, GIVING WARFIGHTERS PRECISION CEMA CAPABILITIES TO OVERWHELM AND OVERMATCH ANY ADVERSARY**

The *Silent Swarm* unattended EW system can be wirelessly networked and remotely operated to complete multiple CEMA missions simultaneously.



# SILENT SWARM<sup>®</sup> UNATTENDED EW SYSTEM

## BENEFITS

- Advanced CEMA capabilities help warfighters maintain electromagnetic spectrum superiority against any adversary, anytime, anywhere across multiple domains
- Adapts to evolving mission requirements with simple software updates that can be made in the field
- Versatile small form factor makes the system easily transportable, by both mounted and dismounted units, into rugged and hostile terrain
- Unattended operation allows a soldier to leave the system behind, or covertly emplace the system ahead of a larger force, to support EW, cyber, surveillance, deception or A2AD missions
- Delivers enhanced situational understanding, giving soldiers the intelligence they need to observe adversaries, orient assets to the situation, decide on a course of action and act on that mission plan
- SwarmWAN – *Silent Swarm's* tactical wireless networking capability uses communications waveforms and networking protocols designed specifically for power efficiency and long range. The network is robustly hardened against jamming with provisions and mitigation for interrupted and contested connectivity. In near-peer environments with degraded tactical wireless connectivity, SwarmWAN is opportunistic and leverages brief windows of connectivity to allow the system to perform its mission

## SPECIFICATIONS

- Operational frequency:
  - 30MHz to 6GHz
- System size:
  - 4.5 in diameter x 4.25 in length
- System weight: 4 lb
- Temperature range: -40°C to +65°C
- Power requirements:
  - Input: 8V to 18V
  - Typical consumption: 18W active, 100uW idle
- Environment: Designed to meet MIL-STD-810

To purchase or for more information please email [inquiries@srcinc.com](mailto:inquiries@srcinc.com).



## FEATURES

- Small form factor designed to meet the most extreme SWaP constraints of any mission
- Distributed and collaborative threat response
- Real-time provisioning and reconfiguring
- Scalable and networkable to defend against any adversary, anytime, anywhere
- SRC's hardware and software work seamlessly for superior performance and reliability
- Software updates can easily be made in the field
- Software and test support from SRC engineers
- Proven high reliability/operational availability
- Integrated battery for unattended operation
- Remote system command and control through common operating picture



800-724-0451 • [inquiries@srcinc.com](mailto:inquiries@srcinc.com) • [www.srcinc.com](http://www.srcinc.com)

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