SILENT IMPACT® MUNITION LAUNCHED EW SYSTEM

Extremely small, low-power submunition delivering **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 Impact*® munition launched 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 Impact* system can deliver 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
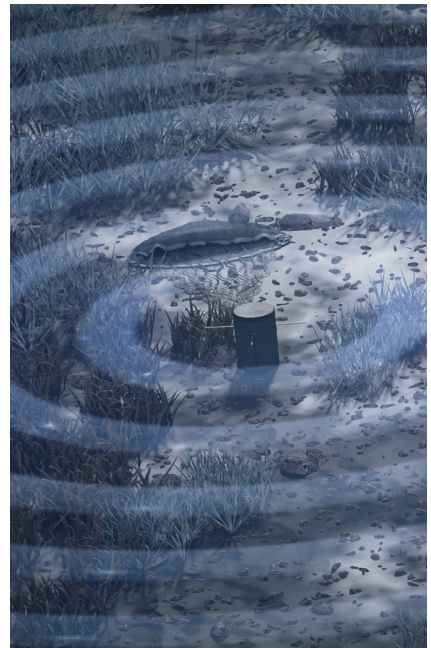- Targeting for long range precision fires

The *Silent Impact* system uses a 155mm munition shell as a delivery system, extending friendly cyber, PNT and EW capabilities far behind enemy lines. The submunition can deliver CEMA payloads in-flight, using parachutes to stay aloft for extended periods and on the ground after it lands. It can also be used as a 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 **IMPACT**

THE SILENT IMPACT SYSTEM IS MUNITION LAUNCHABLE, GIVING WARFIGHTERS DISTRIBUTED CEMA CAPABILITIES TO OVERWHELM AND OVERMATCH ANY ADVERSARY

LEFT: *Silent Impact* munition delivering CEMA payloads while being air dropped **RIGHT:** *Silent Impact* munition still delivering CEMA payloads while on the ground

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SILENT IMPACT® MUNITION LAUNCHED EW SYSTEM

BENEFITS

- Advanced CEMA capabilities help warfighters overhelm adversaries through distributed EW, PNT and cyber effects

- Adapts to evolving mission requirements with simple software updates that can be made in the field

- Munition launchable to deliver CEMA capabilities into hostile territory while supporting EW, cyber, surveillance, deception or A2AD missions

- Designed to fit into existing artillery munition casings to adapt to multiple missions and different launch technologies

- 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 Impact'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
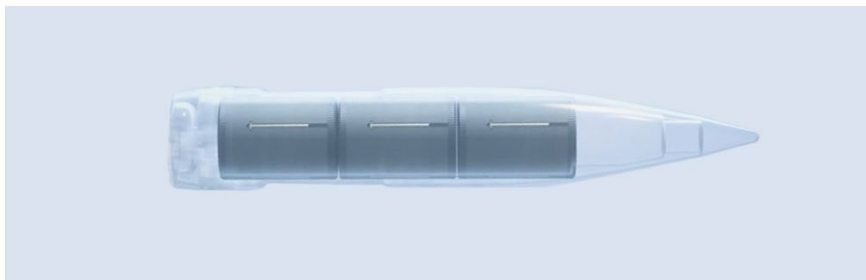
SPECIFICATIONS

- 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.

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 in-flight operation

➢ Remote system command and control through common operating picture

➢ Hardened to withstand intense g-forces and impacts

BELOW: multiple *Silent Impact* systems can be deployed in a single munition

800-724-0451 • inquiries@srcinc.com • www.srcinc.com

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