GHOST MANTIS® MFEW TECHNOLOGY

Low-cost, modular, next-generation electronic warfare technologies that enable advanced concepts of operations and tactics for collaborative combat aircraft.

SENSE & ID

The *Ghost Mantis* multi-function EW technology uses a modular RF architecture, software-defined functionality, and collaborative mission processing to discreetly sense, locate, identifiy and share knowledge of the environment with teammates. *Ghost Mantis*-equipped systems can see beyond the traditional observables using AI/ML algorithms to understand threat behaviors and intent.

DECEIVE

Ghost Mantis technology adapts to its environment, mimicking its surroundings to deny, degrade, disrupt, and deceive adversaries. It creates representative RF signatures for virtually any friendly, neutral, or adversary system by directly interpreting validated threat intelligence models.

DENY

Striking with precision, *Ghost Mantis*-equipped systems deliver advanced electronic effects to disable, degrade, and deny adversary use of the RF environment, enhancing the range, lethality, and survivability of collaborative combat aircraft and other aircraft operating in a teaming environment.

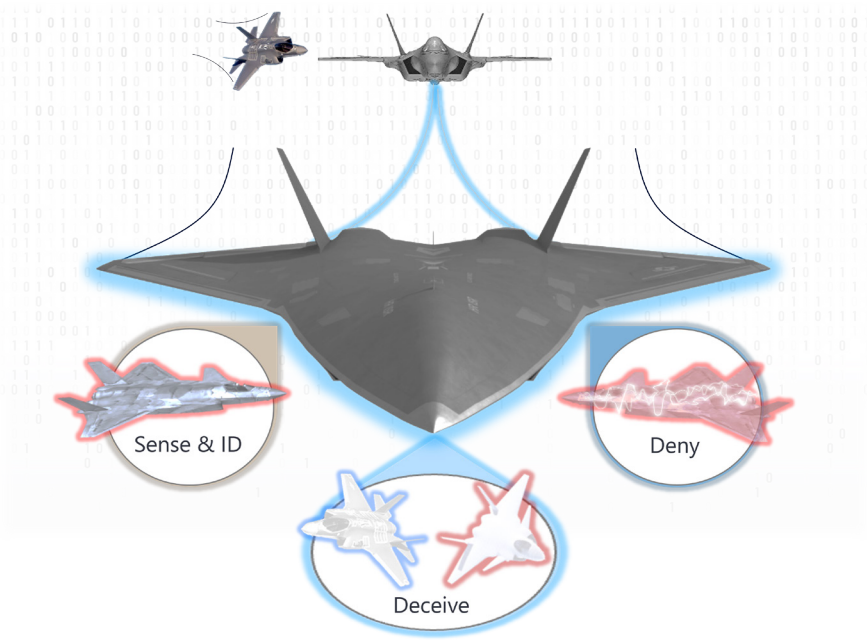
CCA PAYLOAD

Ghost Mantis payloads leverage Sensors Open Systems Architecture (SOSA) and Open Mission Systems (OMS) compliant software coupled with the direct integration of authoritative threat intelligence data. This combination enables an affordable, low-SWaP-C, flexible EW payload for collaborative combat aircraft.

Advanced electronic attack, radar emulation and sensing capabilities enable new concepts of operations and tactics limited only by the imagination of the mission planners and battle managers.

GHOSTMANTIS

GHOST MANTIS MULTI-FUNCTION RF SYSTEMS PERFORM MULTI-DOMAIN OPERATIONS TO DEGRADE, DISABLE AND DENY ADVERSARY CAPABILITIES



SRC

GHOST MANTIS® MFEW TECHNOLOGY

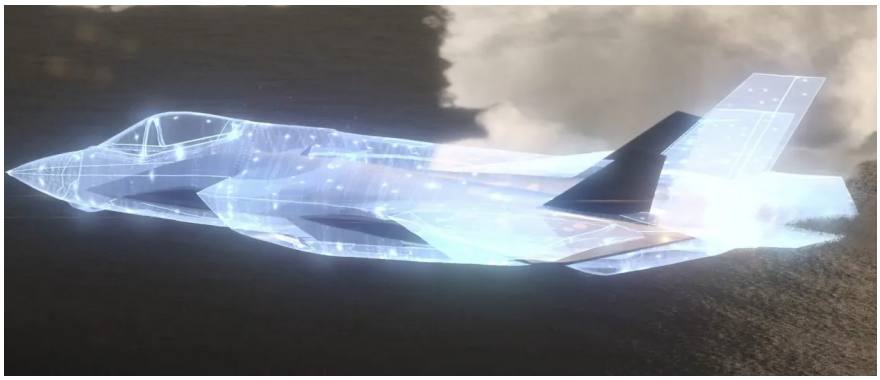
CONFIGURABLE

By design, the *Ghost Mantis* multi-function EW systems are modular and reconfigurable to align with OMS and other government reference architectures. This provides flexibility to configure the payloads for mission requirements. For example, the systems can be customized using commercial off-the-shelf and custom plug-in modules. Software-defined skills enable a wide variety of transmit and receive modes, frequency bands, number of channels, processing functions, and data recording needs without modifying the payloads' chassis, core processing backplane, or antenna.

Ghost Mantis systems adapt to new technologies and future threats. They are extendable beyond the EW domain with alternate RF apertures, antenna units or EO/IR sensors installed on common digital backend hardware and software architecture. This facilitates upgrades to the system as the threat environment, technology, and operational needs evolve.

ABOVE: *Ghost Mantis*-equipped CCAs dynamically reprogram themselves after engagement and send IMD to other partner systems

BELOW: A *Ghost Mantis*-equipped CCA mimicks the RF signature of an F-35 to deceive adversaries



FEATURES

- Delivers a superior combination of performance and value
- Designed to balance performance and cost to enable emerging CCA CONOPs
- Operational in the most highly contested, congested and denied environments
- Highly adaptable to new technologies and future threats
- Configurable to help meet the requirements of any mission
- Modular architecture enables rapid performance and capability upgrades at the speed necessary to support the modern battlefield

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

Scan QR code to download an electronic copy.