



## SkyTracker™ Technology Suite



CACI is an industry leader in developing, deploying, and integrating sophisticated counter-small unmanned aircraft systems (C-sUAS) technologies. The SkyTracker™ Technology Suite is a C-sUAS capability comprised of different form factors designed to exploit the radio communication between sUAS and their controller. CORIAN™ is tailored for military use against small unmanned aircraft systems (sUAS) threats to warfighters and bases. Commercially available sUAS may be weaponized or utilized to facilitate adversary surveillance and reconnaissance, which could facilitate nefarious activity. CACI's CORIAN configuration detects, identifies, tracks, and mitigates sUAS threats, and has the unique capability to locate both sUAS and their ground operators. This sensor configuration uses multiple precision mitigation techniques that allow for non-kinetic and non-attributable sUAS mitigation. Because the solution is software defined, it rapidly integrates new capabilities against evolving threats.

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For more information about our SkyTracker Technology Suite, visit:

[www.caci.com/skytracker](http://www.caci.com/skytracker)

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## CORIAN™ Features and Benefits:

- Identification and geolocation of sUAS threats to soldiers and bases
- Locates sUAS and their ground operators
- Multiple, integrated mitigation capabilities
- Does not listen to or interfere with legitimate communications
- Enables long-range, non-kinetic, non-attributable electronic attack and defense against a multitude of threats
- Modular and scalable for geographically compact or wide-area defense
- 24/7, all-weather, automated threat detection
- Software-defined solution enables rapid integration of new capabilities to enhance effectiveness against evolving threats
- Capable of integrating into existing command and control or security systems
- Low footprint, minimal manning, and easy to use
- Proven: DoD Test Readiness Level 9 and currently deployed CONUS and OCONUS



**CORIAN's multiple mitigation techniques enable non-kinetic responses to a wide variety of UAS.**

### Detect, Identify, Track, and Mitigate sUAS Threats

CORIAN utilizes a sensor array to detect, identify, track, and mitigate sUAS by exploiting their radio signals, and boasts the unique capability to identify and locate both sUAS and their ground operators.

The sensors detect and identify multiple fixed-wing and multi-rotor air vehicles, as well, as their associated handheld controllers by exploiting the radio frequency (RF) communications between the drone and its controller. Geolocation of the drone and controller is accomplished by utilizing signal time-of-arrival at multiple sensors to precisely locate and track units.

CORIAN uses a field-proven, software-based architecture for signals processing. Specific, positive identification of sUAS is achieved by comparing emitted signals to an unclassified library of known signals, enabling unambiguous threat detection. New signals can be rapidly added to the library. Sensors can be networked to existing command and control (C2) and security systems, and CORIAN employs an intuitive, web-based automated system interface for ease of use. Furthermore, CORIAN has demonstrated interoperability with existing U.S. Government sensors to provide a system-of-systems approach to counter the sUAS threat.

CORIAN's integrated precision mitigation utilizes multiple sophisticated techniques to precisely, non-kinetically mitigate a wide variety of sUAS at long range. Because CORIAN is software-based, its mitigation capabilities can rapidly expand.

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