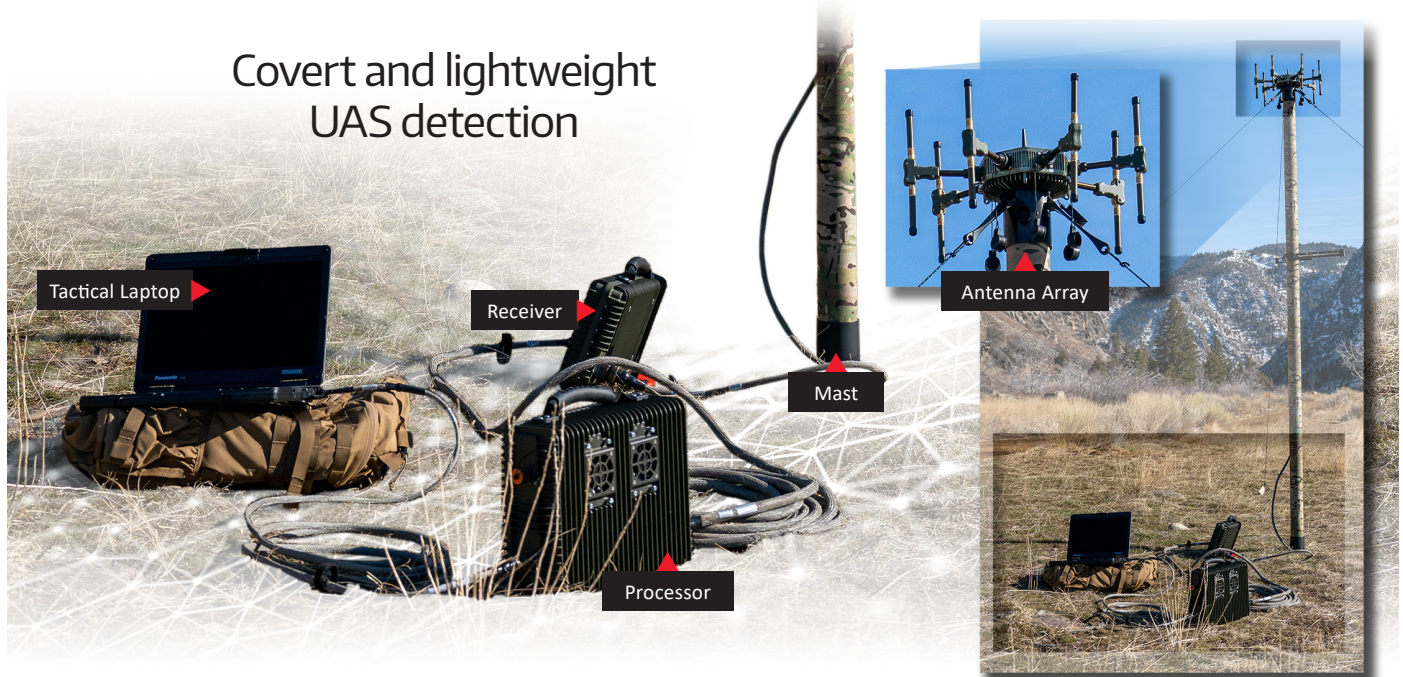




## Silent Passive Radar Kit

Covert and lightweight  
UAS detection



### Covert detection and tracking of crewed and uncrewed aerial systems

CACI’s SPaRK is a lightweight, covert capability for detection and tracking of crewed and uncrewed aerial targets, such as Group 1-5 uncrewed aerial systems (UAS). A completely passive technology, SPaRK delivers increased situational awareness and actionable intelligence when deployed in emission-constrained environments. Developed for expeditionary missions, SPaRK can be easily deployed by two-person teams in a matter of minutes and requires just a single operator.

Today’s adversaries continue evolving to thwart passive RF detection capabilities, increasingly relying on low-profile dark drones and aerial stealth capabilities. Conventional active radars can detect many of these threats, but these radars produce electromagnetic emissions that tip off adversaries to the system’s location. SPaRK avoids this by processing reflected signals from third-party sources, such as commercial TV broadcast signals, to detect and locate targets. By using signals already present in the electromagnetic environment, SPaRK delivers superior intelligence, surveillance, and reconnaissance capabilities without broadcasting the system or the operator’s location, helping ensure friendly forces remain undetected.

For more information, contact:

[SparkCUAS@caci.com](mailto:SparkCUAS@caci.com)  
(406) 333-5010

For more information about our expertise and technology visit:

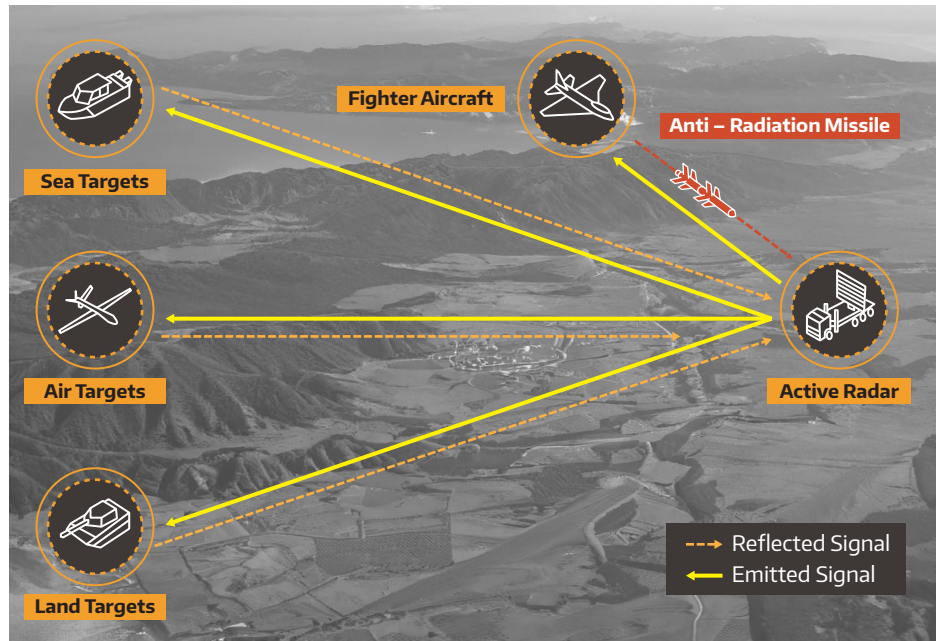
[caci.com/cuas](http://caci.com/cuas)

## Features

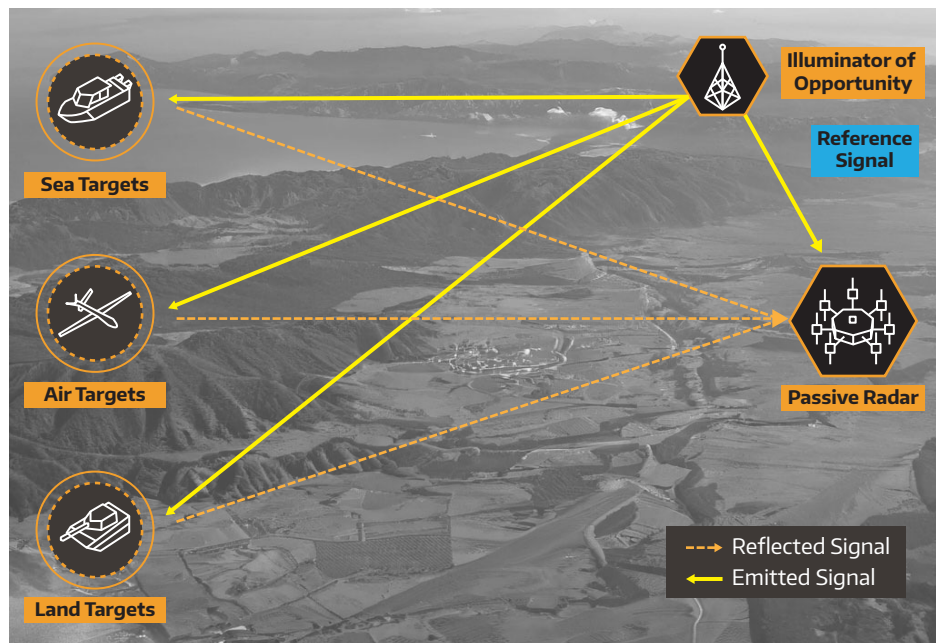
- Passive system operation with no radio frequency emissions.
- Portable, man-packable kit.
- Configured for single operator.
- Diagnostic mode for built-in testing and troubleshooting.
- Mission planning mode for performance prediction.

## Benefits

- With no RF emission profile, SPaRK is ideal for covert operations.
- No electromagnetic radiation hazard concerns.
- Can detect and track dark UAS with little or no RF profile.
- Detects Department of Defense Group 1-5 UAS.
- No licensing or approvals required.
- No interference with local infrastructure.
- Inherently resistant to jamming and spoofing.



Overview of conventional radar operation



Overview of passive radar operation

This material consists of CACI International Inc general capabilities information that does not contain controlled technical data as defined within the International Traffic in Arms Regulations (ITAR), Part 120.10, or Export Administration Regulations (EAR), Part 734.7-10. (PRR ID736). 7/11/2023



**EXPERTISE and TECHNOLOGY**  
for National Security

At CACI International Inc (NYSE: CACI), our 23,000 talented and dynamic employees are ever vigilant in delivering distinctive expertise and differentiated technology to meet our customers' greatest challenges in national security and government modernization. We are a company of good character, relentless innovation, and long-standing excellence. Our culture drives our success and earns us recognition as a *Fortune* World's Most Admired Company. CACI is a member of the *Fortune* 1000 Largest Companies, the Russell 1000 Index, and the S&P MidCap 400 Index. For more information, visit us at [caci.com](https://caci.com).

### Worldwide Headquarters

12021 Sunset Hills Road, Reston, VA 20190  
703-841-7800

### Visit our website at:

[caci.com](https://caci.com)

### Find Career Opportunities at:

[careers.caci.com](https://careers.caci.com)

### Connect with us through social media:

