JCREW / DRAKE
C2 NETWORK

BASE

ON-THE-MOVE

AIR STATION

URBAN

AFLOAT

On-the-Move

Fixed Site

JCREW / DRAKE
Next Generation Intelligent Jammer

Overview

Joint Counter Radio-Controlled Improvised Explosive Device (RCIED) Electronic Warfare (JCREW) / DRAKE is a TRL 9, proven and fielded intelligent Software Defined Radio (SDR) Electronic Countermeasure (ECM) system that is spectrally aware, always on, omnidirectional, and independently protects by detecting, identifying, alerting, tracking, and defeating Radio Controlled IEDs (RCIEDs) and small Unmanned Aircraft System (UAS) threats. JCREW / DRAKE can operate alone or coordinate with other C2 platforms, such as FAAD C2, delivering a layered protection for the warfighter. JCREW / DRAKE's open architecture design and utilization of well-defined common standards enable rapid upgrades at the speed of relevancy to mitigate emerging threats on the modern battlefield.

JCREW / DRAKE systems are available in three different form factors: mounted, dismounted, and fixed site. The JCREW / DRAKE ECM family of systems share common hardware and software, and provides long term afloat and ashore C-IED and C-UAS protection to U.S. and coalition partners.

JCREW / DRAKE is currently employed by the U.S. Navy, U.S. Air Force, and partner countries Australia and New Zealand, and has been providing life-saving protection since 2017.

Proven / Tested

- Program of Record: Naval Sea Systems Command, PEO USC Expeditionary Missions Program Office (PMS-408)
- Technology Readiness Level (TRL-9)
- Full Operational Capability (FOC)
- Full Rate Production with active FMS cases

Provides Radio Frequency Shields and Counters Against IED and UAS Threats That Are Proliferating Across the Modern Battlefield

NORTHROP GRUMMAN

northropgrumman.com

CORE_1   STBY   SCAN   JAM

Eye Alt 13 km Off Globe

NO GPS
Please click here to set
your location manually

JCREW / DRAKE provides UAS detection (red targets) and performs non-kinetic effects to neutralize drone swarm.

Key System Design Features

- Independent detection and jamming or can operate in coordination with other C2 platforms, creating layered Counter-RCIED and C-UAS protection for the warfighter
- Open architecture System of Systems design enabling rapid evolution for urgent multi-function RF requirements
- Common software and hardware across variants providing cost savings on logistics and upgrades
- Flexible timing protocol and clean RF signals establish a protective barrier without interruption to Blue Force communications
- Able to utilize active, reactive, and protocol-based jamming techniques
- Record events for in-depth intelligence analysis
- Ability to switch between C-IED and C-UAS missions without changing software
- Robust information assurance and security
- Rugged design (MIL-STD-810) hardware, fully capable of operation in challenging environments & extreme conditions
- Intuitive User Interface (UI) with minimal operator training required
- Options for ruggedized display or tablet
- Modular Open Systems Approach (MOSA) – no proprietary interfaces
- Hot-swappable common 2590 style batteries
- Built-in Test (BIT) for fault isolation with "Go / No-Go" indicator

Situational Awareness

- Ruggedized tablet features:
  - Displays features of detected drones
  - Map displaying threat locations detected by JCREW / DRAKE systems
- Networking capabilities
  - Display threat locations from all connected units
  - Control multiple units from one central location
- Built-in maintenance features
- Mission playback features

Integration Capability

- Ability to coordinate with Command and Control Systems
- Compatible with Northrop Grumman Forward Area Air Defense Command and Control (FAAD C2)

For more information, please contact:

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