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Counter UAS

Drone detection,
classification, tracking and
neutralization system



Counter UAS

Counter UAS by Gradiant comprises a suite of technologies for unmanned vehicles threat detection, classification, tracking and neutralization.

An increasing number of incidents involving UAVs continues to expose the vulnerability of mass gatherings and critical infrastructure, such as nuclear plants, airports or prisons. The use of UAVs has been identified as a potential and deadly threat when in the hands of organized crime and terrorist organizations, very often at the forefront of technology innovation.

Conventional technologies for aerial defense have repeatedly proved ineffective for fighting against drone threats, and so ad-hoc solutions that integrate, exploit, adapt and extend existing technology are required.

Counter UAS by Gradiant is modular, scalable and decentralized. These technologies are suitable to complement and be integrated in existing Counter UAS products and systems.



Gradiant modules for

- Counter-Fi**
- ✓ Detect, classify and track Wi-Fi controlled UAS on 2.4 GHz and 5.8 GHz bands
 - ✓ Neutralize non-allowed UAS using hacking techniques in less than 3 seconds
 - ✓ Provide UAS brand and model
 - ✓ Up to 1500 m detection range

- RF Ear**
- ✓ Detect, classify and track drones based on RF analysis (Signal Intelligence)
 - ✓ Design based on Software Defined Radio Platforms
 - ✓ Up to 1000 m detection range

- Smart Eye**
- ✓ Detect, track and classify UAS using passive EO/IR sensors
 - ✓ Master and Slave modes on fixed and moving cameras
 - ✓ Automatic generation of visual evidence

- Sjam**
- ✓ Adaptive waveform Smart Jamming generator
 - ✓ Cover typical GNSS, Command & Control and Payload frequencies
 - ✓ Design based on Software Defined Radio Platforms



Security



Defense

