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Safeguarding your skies: 10 key considerations for protecting your perimeter against rogue drone activity

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Drones are empowering industry and creating new opportunities. But with millions taking flight worldwide, incidents involving rogue drones are on the rise. So you need to protect against threats to privacy, security and public safety.

How safe are your skies?

7.8 million

Number of consumer drones taking flight worldwide by 2020.

76,000

Commercial drones expected to operating in UK skies by 2030.

5,000

Active commercial drone licenses in the UK, up 52% year-on-year.

£50 million

Estimated financial damage caused by unauthorised drone activity at Gatwick Airport.

125

Near-misses between aircraft and drones in 2018, a twenty-fold increase in four years.

90 per cent

Estimated number of drone drop-offs into prisons that go undetected.

Basic threat categories that drones pose

Payload delivery

- Carrying a dangerous payload (in addition to camera)
- Difficult to confirm until after payload release
- Examples: bombs/CBRN or smuggling contraband to a prison

Intelligence, Surveillance, and Reconnaissance (ISR)

- Used to gather intelligence of any kind
- Identify time and location, or capture images
- Includes espionage, hacking or pirate broadcasting

Nuisance

- In the wrong place at the wrong time
- Can create major disruptions, such as at Gatwick Airport

10 key considerations for protecting your perimeter against rogue drone activity

1. Do you know and understand the risks from drones to your site?
2. What type of drones do you think pose the greatest risk?
3. What's the size of the site you want to protect?
4. How much early warning do you need?
5. Do you need detection within or outside your perimeter, or both?
6. Do you need to know the exact location of the drone?
7. Do you need to know the flight path of the drone?
8. Do you need to know the height of the drone from the ground?
9. Do you need to estimate the location of the pilot?
10. Do you need detection on the move?

Response actions

Detect

Know when something unexpected is flying in your airspace

Track

Follow the drone's location and understand where it might be going

Identify

Confirm what it is and whether it's hostile

Defeat

Reduce and eliminate the risk with active countermeasures

BODY
WORN

CONVOY

FIXED

BODY WORN

RfPatrol
Detection

Drone Gun Tactical
Countermeasure

DG MkIII
Countermeasure

CONVOY

RfZero
Detection

Drone Sentry X
Detection & Countermeasure

FIXED

RF
Detection

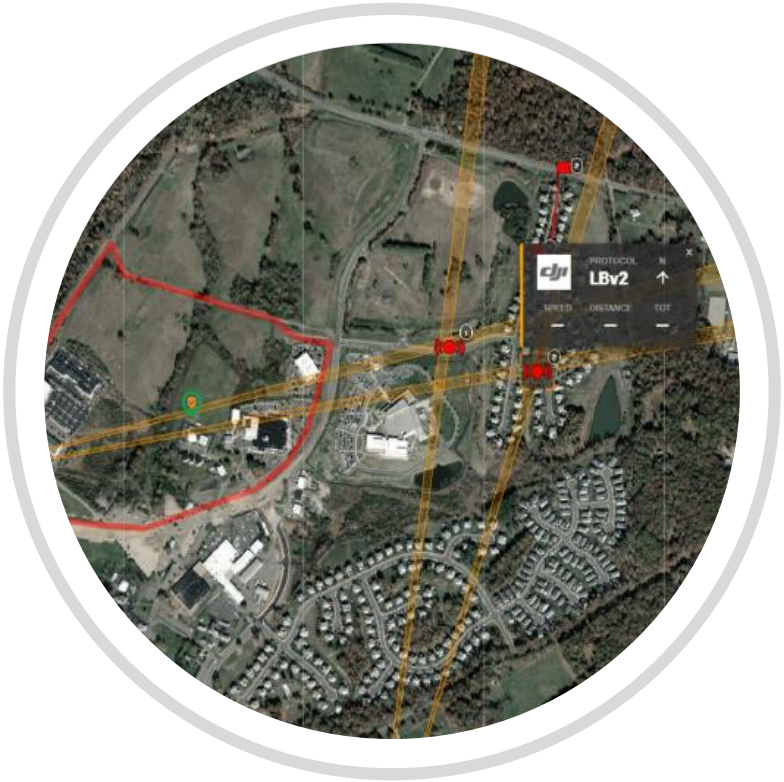
Radar
Detection

DroneOpt
Detection

Drone Cannon
Countermeasure

COMMAND & CONTROL

Customisation & Configuration Options



Real-time monitoring via Command & Control Dashboard

Analytics & Reporting

COMPRE-HENSIVE

End to end managed service

COST EFFECTIVE

Modular, scalable approach

LAYERED

Multi-sensor, integrated technology

PROVEN

Deployed in the field and CPNI certified

The future of detection…

Find out more

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