

Counter Drone Vulnerability Assessments (CDVA)



MITIGATING A HOSTILE DRONE & IDENTIFYING WHERE IT MAY BE CONTROLLED OR LAUNCHED FROM WITH UAS - PRAS

The increase in availability and functionality of drones has led to a rise in the threat from their illegitimate use. Whilst the drone intrusion at Gatwick Airport in late 2018 escalated the problem on a national level, the police & military have reacted in some cases by deploying technological solutions, along with educational and legal measures. One of the areas sometimes forgotten is to analyse where the threat might be coming from and how to coordinate the response to the risk.

Our vulnerability assessment software can analyse and see where a drone could be controlled or flown from to observe, overfly or harm the target. Counter Drone Vulnerability Assessments, (CDVA) are increasingly being used by Counter Terrorism police across the UK, to help protect and prepare for drone incursions at major events or crowded places and our knowledge & experience is market leading.

The software can deliver a detailed report, with specific recommendations, to mitigate hostile drones at major events, VIP visits, critical national infrastructure or for sporting fixtures.

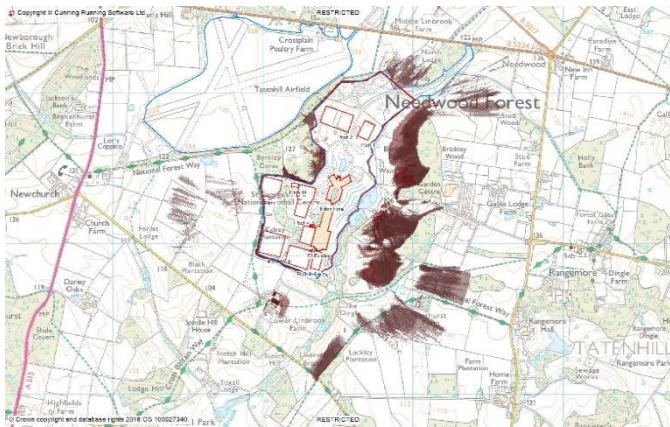
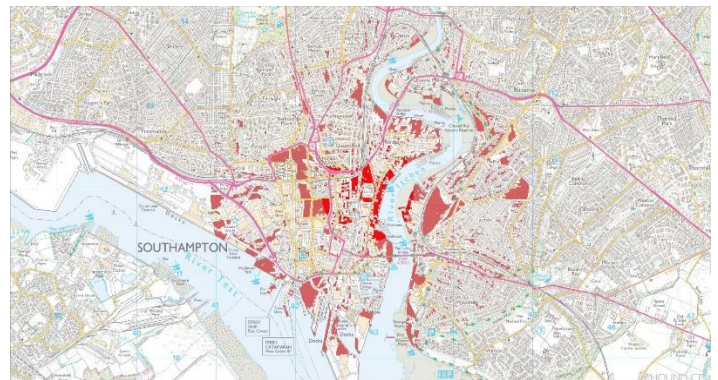


Image is the visibility trace from a secure area & shows area where someone can be seen from outside the perimeter.

- Encourages joint contingency planning, among law enforcement & counter terrorist agencies.
- Effective patrol strategies can be achieved with significantly reduced Police resources.
- Drone sites are identified by 9 characteristics: ground, access, aiming markers, range, surroundings, surveillance e.g. CCTV, patrols, exit routes, and miscellaneous.

- Counter Drone sighting, planning and control tool, with scoring probability matrix.
- Helps technology solutions find suitable places to set up their detection, tracking and, if in use, effector equipment.
- 2019 CDVA services delivered include national sports facilities, world cycling events, state visits and their related assets.

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Drone footprint based on specific capabilities and limitations of the aircraft identifies most suitable areas where a drone can be controlled from over a target area.

TESTIMONIAL – Nottinghamshire Police Tactical Support Group

On the first day of our major event, we had an illegal drone launch to counter. The unauthorised drone was spotted by both the Police and then the control room, who used the CDVA plan to deploy officers to the possible launch areas. In the first area we highlighted, the pilot was found and the UAS was located and recovered! As you can imagine the feedback was very positive.

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