

Challenges of defense against drones

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Motivation



2019-10-18 21:50:00 de Tetszik

Drón permetezett mérget egy budai társasház kertjében



"Drone sprayed poison in the garden of an apartment in Buda"



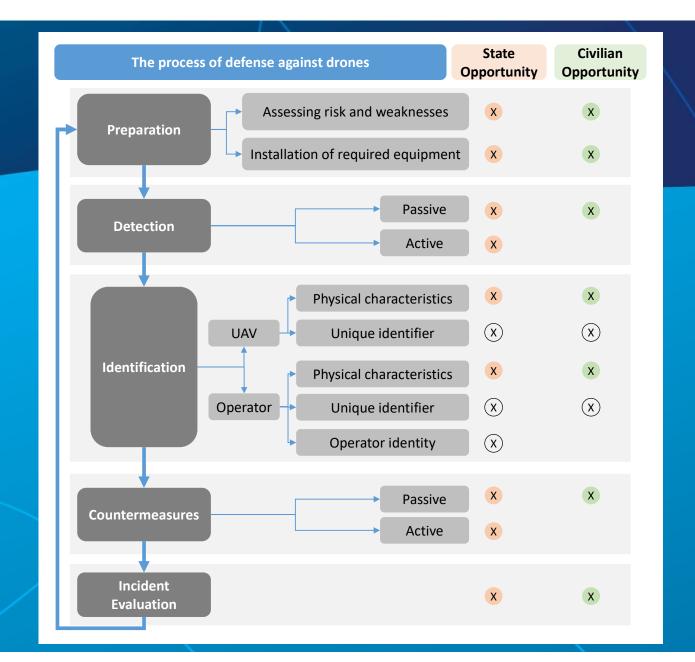
Gatwick is investigating reports of a drone sighting. As a precaution we have suspended airfield operations. More to follow.

du. 6:47 · 2018. dec. 21. · Hootsuite Inc.

Gatwick Airport LGW 📀 @Gatwick_Airport

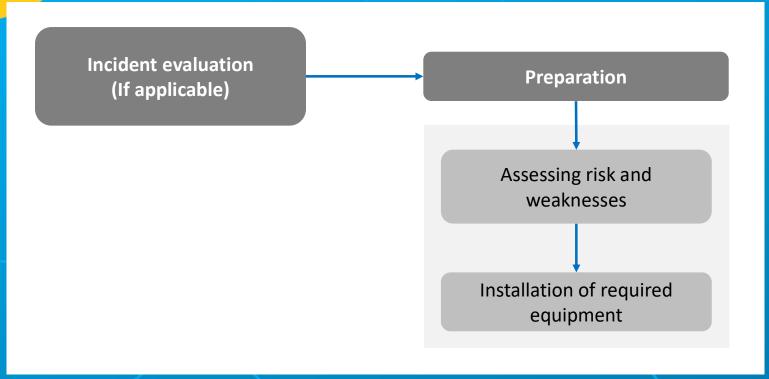
"Due to drone sighting, the Liszt Ferenc International Airport will temporarily not start and receive flights"

INTERDISCIPLINARY DOCTORAL CONFERENCE



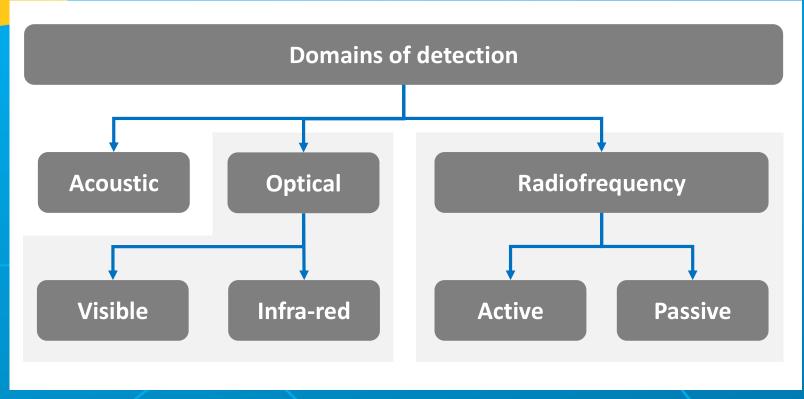


Step 1: Preparation



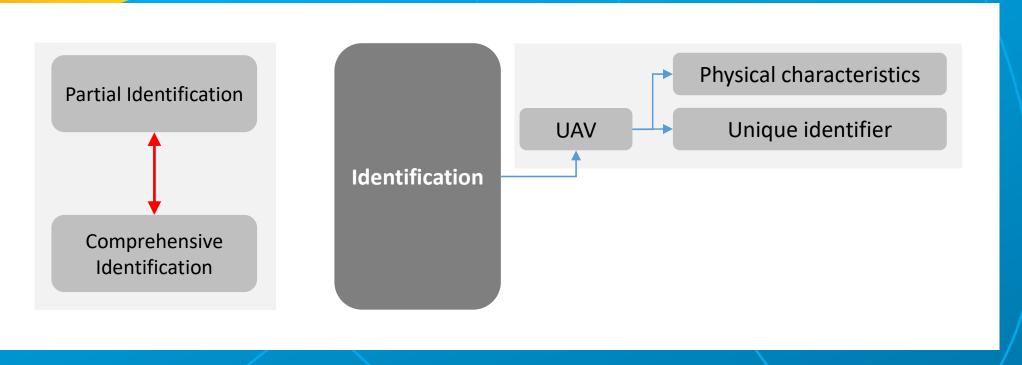


Step 2: Detection



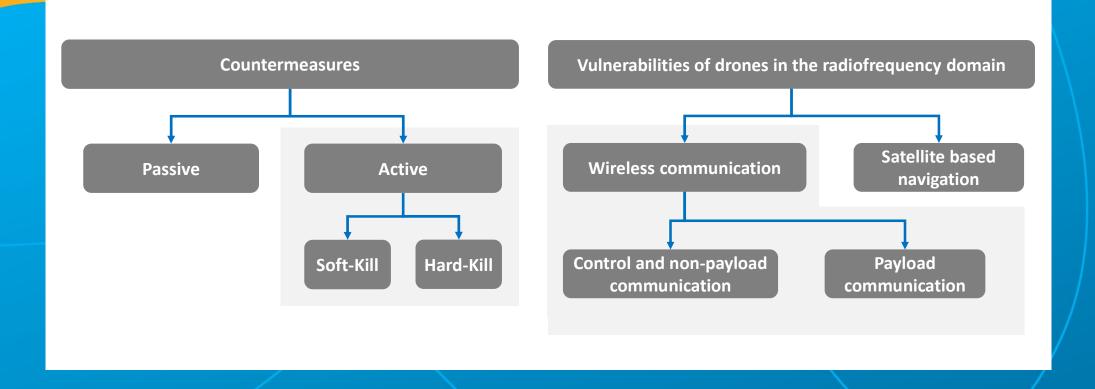


Step 3: Identification



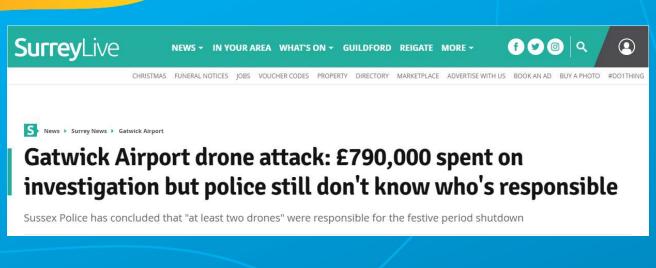


Step 4: Countermeasures





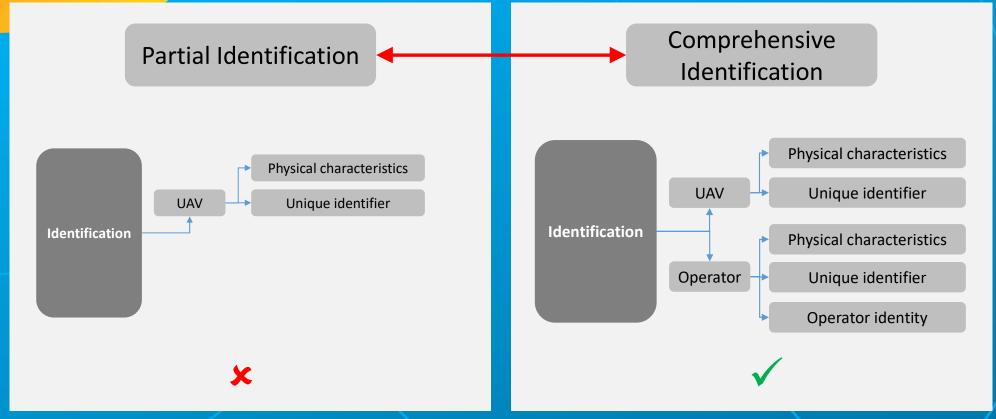
The root of the problem





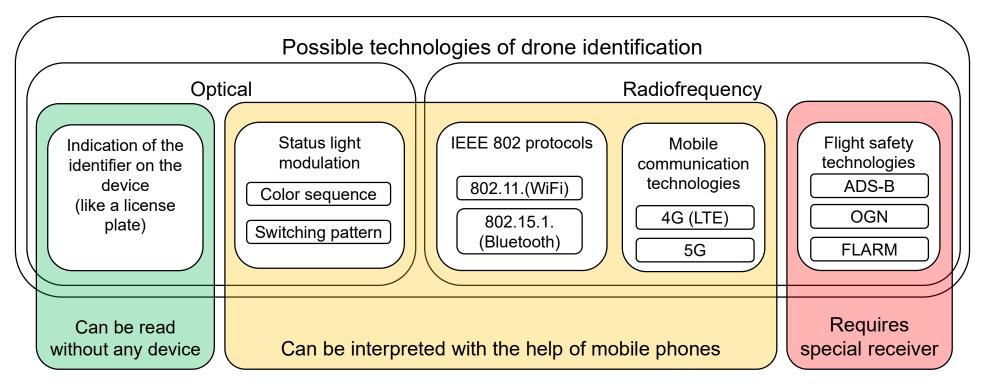


Lack of proper identification





Possible technologies of drone identification





Conclusions

- The solution to the problem of protection against drones lies in remote drone identification.
- Technologies available in mobile phones are the most suitable for the requirements currently.
- In the long run, mobile communication technologies (4G / 5G)
 has to be implemented in drones.
- Drones are integrating into cyberspace more and more, which will result in a number of new challenges.



Thank you for your attention!

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