DRONE SEC

UAS HACKING, HARDENING AND DEFENCE

DOCUMENT **CONTROL**

PREPARATION

DroneSec (dronesec.com)

Threat Intelligence Team

Email: info@dronesec.com

TABLE OF **CONTENTS**

1. THREAT INTELLIGENCE

1.1. FEATURED ADVISORIES

The prioritisation table and its dependencies are explained in Appendix A, and relate to how we filter, analyse and visualise the intelligence we collect.
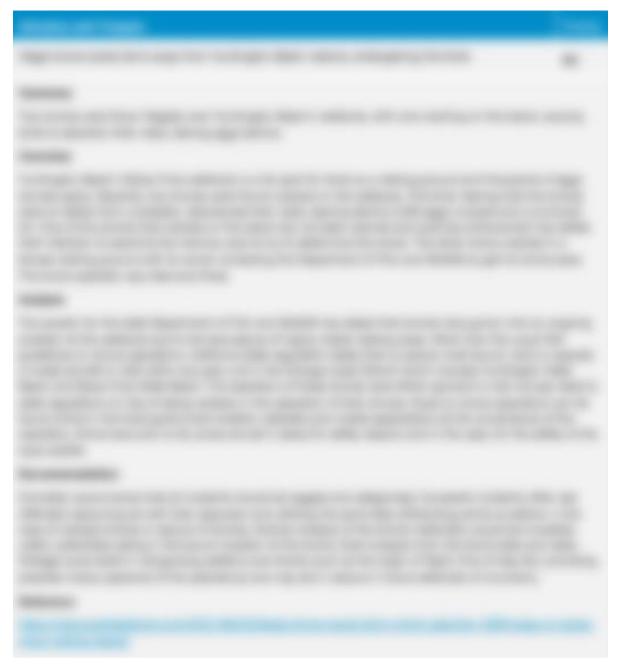
Figure 1 - Featured Reports appear in the Private edition of Notify

Figure 2 - Featured Reports appear in the Private edition of Notify

1.2. CYBER AND DATA SECURITY (P3)

Pentagon states no malicious code found in DJI drones, clears them for government use

https://www.theverge.com/2021/6/1/22463946/dji-drone-ban-pentagon-department-of-interior

Government use of Chinese drones in limbo as Congress weighs ban

https://apnews.com/article/donald-trump-technology-government-and-politics-business-5854cf8b5eccd03f85d5eba2aef10a22

1.3. NON-CONFLICT NEWS AND EVENTS (P3)

Near miss between drone and plane carrying British senior civil servants

https://www.dailymail.co.uk/news/article-9656337/Plane-carrying-one-UKs-senior-civil-servants-comes-100ft-crashing-drone.html?

Drone collision occurs as Chile football team fear Argentine drone spying on them

https://www.bbc.com/news/world-latin-america-57328458

New Mexico candidate interrupted on stage by drone, operator arrested

https://www.abqjournal.com/2396100/details-emerge-about-assault-on-sheriff-at-campaign-event.html

Drone spotted operating in restricted airspace near Calgary Airport in Alberta, Canada

https://avrodex.com/view/2021C2010

Drone delays air ambulance at scene of emergency in County Durham, UK

https://www.thenorthernecho.co.uk/news/19356483.drone-delays-air-ambulance-flying-county-durham-patient-hospital/

1.4. CONFLICT NEWS AND EVENTS (P3)

Iran claims to have intercepted assassination drones in Gaza

https://cybershafarat.com/2021/06/03/iran-claims-downing-of-assassination-drones-in-gaza/

Turkish drone strike on Iraqi refugee camp kills three

https://www.dw.com/en/turkish-drone-strike-on-iraqi-refugee-camp-kills-three/a-57788635

Houthi fire ballistic missiles and explosive-laden drones at Marib, killing 14

https://www.kuna.net.kw/ArticleDetails.aspx?id=2980441&language=en

Saudi Arabia intercepts Houthi drone targeting Khamis Mushait

https://english.alarabiya.net/News/gulf/2021/06/06/Arab-Coalition-intercepts-Houthi-drone-targeting-Saudi-Arabia-s-Khamis-Mushait

Two drones shot down above Ain al-Asad base housing US troops

https://economictimes.indiatimes.com/news/defence/two-drones-shot-down-above-iraq-base-housing-us-troops-army/articleshow/83277982.cms

1.5. WHITEPAPERS, PUBLICATIONS & REGULATIONS (P4)

Loitering munitions on the rise (Commentary)

https://news.clearancejobs.com/2021/06/08/the-future-is-intelligent-warfare-loitering-munitions-on-the-rise/

Why Paris is the only EU capital to ban drones (Commentary)

https://news.yahoo.com/why-paris-only-eu-capital-162404163.html

Turkey's low-cost armed drones are reshaping warfare (Report)

https://ahvalnews.com/turkish-drones/turkeys-low-cost-armed-drones-are-reshaping-warfare-report

The impact of drones on airports (Commentary)

https://www.airport-technology.com/features/airport-drone-threat-storm-teacup/

Trends in drone proliferation (Commentary)

https://www.defensenews.com/opinion/commentary/2021/05/25/weapons-of-the-future-trends-in-drone-proliferation/

Iran-backed militias turn to drone attacks, alarming U.S. forces in Iraq

https://www.washingtonpost.com/world/middle_east/iraq-militia-drones-threat/2021/05/28/864e44d0-bc8f-11eb-922a-c40c9774bc48_story.html

A Roadmap for Authority-Managed Drone and Urban Air Mobility Eco-Systems (PDF Document)

https://custom.cvent.com/6A39FE9AEAAF4637BF3A865A8131485A/files/9cea7ca73d86453fbc5735d8628ddf51.pdf

1.6. SOCIALS (P4)

First unmanned aircraft to refuel other aircraft

https://twitter.com/USNavy/status/1401932309692100614

Bayraktar TB2 evades Russian OSA air defense system

https://www.youtube.com/watch?v=JyZyrGtjjCQ&t=16s

https://swordstoday.ie/turkish-drone-defuses-russian-air-defense-video/

1.7. COUNTER-DRONE SYSTEMS (P4)

DARPA shares footage of its counter drone system that shoot streamers at adversary drones

https://www.thedrive.com/the-war-zone/40982/darpas-interceptor-drone-shoots-stringy-streamers-to-drop-enemy-drones

Electro Optic Systems' Titanis CUAS employs hard-kill, soft-kill and directed-energy solutions

https://www.janes.com/defence-news/titanis-c-uas-capability-to-employ-hard-kill-soft-kill-and-directed-energy-solutions/

Dynetics unveils Enduring Shield, a new mobile air defence system

http://worlddefencenews.blogspot.com/2021/06/dynetics-unveils-enduring-shield-new.html

DroneShield releases second generation drone detection software, DroneOptID 2.0

https://www.armyrecognition.com/defense_news_june_2021_global_security_army_industry/dynetics_unveils_enduring_shield_new_mobile_air_defense_missile_system.html

Ottowa International Airport updates on its drone detection trial

https://yow.ca/en/corporate/media-centre/press-releases/yows-drone-detection-trial-keeps-eyes-skies

Leonardo's Falcon Shield counter-drone system played major role in re-opening of Gatwick airport

https://www.suasnews.com/2021/05/leonardos-falcon-shield-counter-drone-system-played-a-major-role-in-the-re-opening-of-gatwick-airport-before-christmas-2018/

1.8. INFORMATIONAL (P5)

Northern Ireland experimenting with developing autonomous border surveillance system

https://www.irishtimes.com/news/crime-and-law/border-drone-patrols-on-the-way-psni-takes-part-in-contentious-project-1.4586000

European Commission announces its intention to adopt a Drone Strategy 2.0 in 2022

https://www.unmannedairspace.info/emerging-regulations/europe-plans-to-develop-drone-strategy-2-0-ready-for-adoption-in-2022-in-line-with-sustainability-and-smart-mobility-goals/

NAV Canada launches new drone app to help operators fly safely and legally

https://www.newswire.ca/news-releases/nav-canada-launches-new-drone-app-nav-drone-839293904.html

Embry-Riddle Aeronautical University offers remote training for drone pilots

https://www.unmannedsystemstechnology.com/2021/06/embry-riddle-offers-remote-training-for-drone-pilots/

Oak Ridge police and fire departments to deploy drones for responding to incidents

https://www.oakridger.com/story/news/2021/06/07/drones-bought-police-fire-use/7591526002/

Bulloch County Sheriff's office launches drone program

https://www.statesboroherald.com/local/sheriffs-office-launches-drone-program/

1.9. UTM SYSTEMS (P5)

Japan ramps up government support of UAM development

https://dronedj.com/2021/06/08/japan-expands-government-support-of-uam-development/

Dronecloud and FREQUENTIS collaborate to integrate UTM with ATC systems

https://uasweekly.com/2021/06/08/dronecloud-and-frequentis-collaborate-to-integrate-drone-platform-with-atc-systems/

EU U-space providers face challenge of balancing compliance with competition (Commentary)

https://www.unmannedairspace.info/emerging-regulations/the-tough-task-for-european-u-space-providers-balancing-compliance-with-competition-gutma-webinar/

1.10. DRONE TECHNOLOGY (P5)

PiWings, a Raspberry Pi powered quadcopter project, is ready to launch

https://www.tomshardware.com/news/raspberry-pi-pico-drone

FlytBase collaborating with Omniflow to integrate drone hubs into smart poles

https://business-review.eu/smartcity/smart-poles-with-integrated-drone-hubs-to-power-modern-cities-220601

Skydio announces the Skydio 3D scan, first-of-its-kind adaptive mapping software

https://gisuser.com/2021/06/drone-maker-skydio-announces-the-general-availability-of-skydio-3d-scan/

For Appendix items please click this link.