



**NOTIFY ISSUE #109 (PUBLIC)**  
**WEEKLY THREAT INTELLIGENCE**

13 Jan 2022 | v1.0 RELEASE



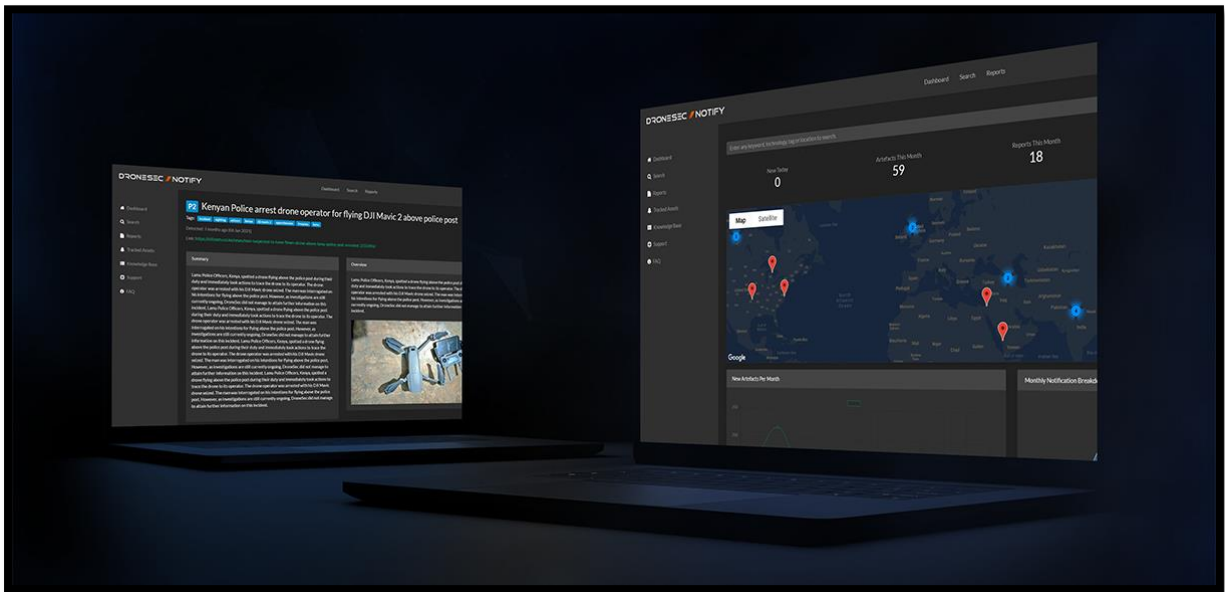
# DOCUMENT CONTROL

## PREPARATION

DroneSec (dronesec.com)

Threat Intelligence Team

Email: info@dronesec.com



*This document is a summary of real-time incidents released within the [Notify UAS Threat Intelligence Platform](#). If you have been forwarded this document, subscribe for future updates: [here](#).*

# TABLE OF CONTENTS

- 1. Threat Intelligence ----- 4
- 1.1. Featured Advisories ----- 4
- 1.2. Non-Conflict News and Events (P3) ----- 6
- 1.3. Conflict News and Events (P3) ----- 7
- 1.4. Socials (P4) ----- 10
- 1.5. Cyber & Data Security (P4) ----- 11
- 1.6. Whitepapers, Publications & Regulations (P4) ----- 11
- 1.7. Counter-Drone Systems (P4) ----- 11
- 1.8. UTM Systems (P5) ----- 11
- 1.9. Informational (P5) ----- 12
- 1.10. Drone Technology (P5) ----- 12



# 1. THREAT INTELLIGENCE

## 1.1. FEATURED ADVISORIES

The prioritisation table and how we filter, analyse and visualise the intelligence we collect is located at the end of the document.



Figure 1: Can't see this? Contact us to sign up for Notify PRIVATE



Figure 2: Can't see this? Contact us to sign up for Notify PRIVATE



Figure 3: Can't see this? Contact us to sign up for Notify PRIVATE

## 1.2. NON-CONFLICT NEWS AND EVENTS (P3)

### Tourist crashes DJI Mavic drone onto rooftop of cathedral, Moscow

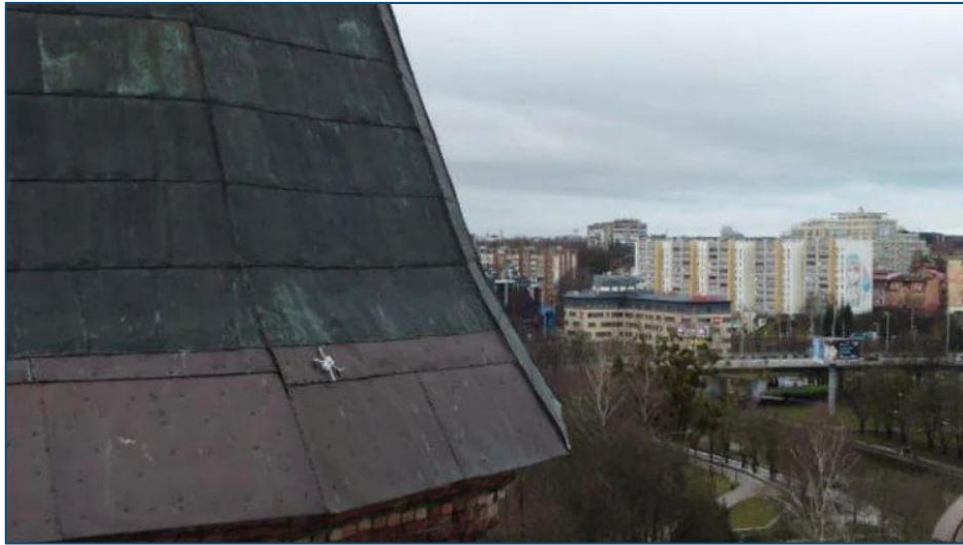


Figure 4: DJI Mavic drone stuck on rooftop of cathedral

[https://t.me/incident\\_kld/12599](https://t.me/incident_kld/12599)

### Unclaimed DJ Mavic 2 found crashed in Jammu city, forensics investigation to begin, India



Figure 5: DJI Mavic 2 drone found along the road in Jammu, India

<https://www.aninews.in/news/national/general-news/j-k-police-recovers-drone-from-gujral-village20220107113124/>

**Polish soldiers intercept DIY drone potentially smuggling narcotics across Belarus border**

Figure 6: Drone intercepted along Poland-Belarus border

<https://belswit.eu/news/11-01-2022-polskiya-zhaunery-perahapili-kantrabandny-bespilotnik-na-myazhy-z-belarussyu/>

**Double agent FBI informant had plans to use drones to for domestic terrorism**

<https://www.thebharatexpressnews.com/feds-fbi-informant-tried-to-help-suspects-in-whitmer-kidnapping-plot/>

**Drone sighted at 1am near residences in Arthur, Wellington County, Canada**

<https://www.wellingtonadvertiser.com/opp-drone-spotted-near-arthur-house-at-1am/>

**Drone flies over protests surrounding fuel price hikes in Aktau, Kazakhstan**

[https://t.me/rt\\_russian/87293](https://t.me/rt_russian/87293)

**Two men rushed to hospital after electrocution while removing drone from powerline, Australia**

<https://esv.vic.gov.au/news/esv-pleads-with-victorians-to-keep-drones-clear-of-powerlines/>

### 1.3. CONFLICT NEWS AND EVENTS (P3)

**Video of CJNG cartel dropping four explosive payloads via a drone in Tepalcatepec, Mexico.**

<https://t.me/rusnetocracy/9666>

**Ukrainian military drone drops two high-explosive grenades on armoured vehicle**

[https://t.me/Dialog\\_Ukraine/17063](https://t.me/Dialog_Ukraine/17063)

**Video of Armenian drone dropping explosive payload onto Azerbaijani military released**

<https://t.me/caucasuswar/1781>

**Drones and artillery fire being used at Armenian-Azerbaijani border**

<https://twitter.com/CivilNetTV/status/1480939285150797826>

**UAE Wing Loong 2 surveillance drone shot down by Yemeni air defences in Shabwah**



Figure 7: Part of the tail from the Wing Loong 2 drone shot down in Yemen

[https://en.abna24.com/news//yemeni-forces-shoot-down-uae-spy-drone-in-shabwah\\_1215841.html](https://en.abna24.com/news//yemeni-forces-shoot-down-uae-spy-drone-in-shabwah_1215841.html)

**Downed Hezbollah drone reveals facial and vehicle images of members within memory card**



Figure 8: Hezbollah drone seized by IDF, with memory card found within

<https://www.timesofisrael.com/idf-releases-photos-from-downed-drone-showing-alleged-hezbollah-operatives/>



**Second UAE Wing Loong 2 drone shot down over Shabwah by Yemeni surface-to-air missile**

Figure 9: Chinese-made Wing Loong 2 owned by UAE shot down over Shabwah

[https://t.me/khbar\\_Fourri/4852](https://t.me/khbar_Fourri/4852)

**Video and images of suicide drones targeting Ain Al-Assad military base released**

<https://twitter.com/nafisekhBBC/status/1479022244416438272>

**Examination of Houthi drones appear to be carbon-fibre, an upgrade from previous fibreglass**

Figure 10: Houthi drone seized and analysed

<https://twitter.com/AuroraIntel/status/1479027518812348422>

**Unidentified drone flying towards near Ain Al-Assad US coalition base shot down, Iraq**

<https://tass.ru/mezhdunarodnaya-panorama/13361105>

**Drone strike in Axum, Tigray kills 25 civilians, Ethiopia**

<https://twitter.com/Yonigussie/status/1479378262056968195>

**Houthi drone targeting Saudi Arabia destroyed by air defence systems**

<https://www.arabnews.com/node/1999046/saudi-arabia>

**Houthi Rased drone shot down over Bayhan al Qisab town, Yemen**



Figure 11: Houthi Rased drone shot down in Yemen

<https://adengad.net/public/posts/591622>

**1.4. SOCIALS (P4)**

**Additional video of drone strike on Ain Al-Asad military base in Iraq released on Telegram**



Figure 12: Suicide drone used to target coalition military base in Baghdad

[https://t.me/baradarane\\_basiji/35553](https://t.me/baradarane_basiji/35553)

## 1.5. CYBER & DATA SECURITY (P4)

### **Hacking From the Sky – Penetration Testing UAV (Video)**

<https://www.youtube.com/watch?v=Z0rXc7zdxds>

## 1.6. WHITEPAPERS, PUBLICATIONS & REGULATIONS (P4)

### **The U.S. military recognizes the difficulty in combating “Costco” drones (Commentary)**

<https://www.balkantravellers.com/the-u-s-military-recognizes-the-difficulty-in-combating-costco-drones/>

### **Weaponised drones: an airborne threat (Commentary)**

<http://www.dailynews.lk/2022/01/11/features/269849/weaponised-drones-airborne-threat>

### **Satellite imagery confirms presence of Turkish TB-2 armed drones at Harar airbase, Ethiopia**

<https://paxforpeace.nl/news/blogs/turkish-drones-join-ethiopias-war-satellite-imagery-confirms>

### **Scenario Analysis of Threats Posed to Critical Infrastructures by Civilian Drones (PDF)**

<https://elib.dlr.de/147231/1/234.pdf>

### **Detection and Recognition of Drones based on Deep Learning Using Visible Imagery (PDF)**

<https://www.mdpi.com/2226-4310/9/1/31/pdf>

## 1.7. COUNTER-DRONE SYSTEMS (P4)

### **Naval Base Ventura County deploys drones to familiarise with drone threats and target training**

<https://www.dvidshub.net/news/412678/navy-counters-drone-threats-point-mugu>

### **Anti-drone team engaged to secure Modi political rally, India**

<https://indianexpress.com/article/cities/ludhiana/10000-cops-anti-drone-team-in-place-to-secure-first-modi-rally-in-2-years-7706765/>

### **NATO trials UK DSTL standard C2 for C-UAS integrations**

<https://www.miragenews.com/nato-trials-dstl-standard-for-counter-drone-702729/>

## 1.8. UTM SYSTEMS (P5)

### **Michigan and Ontario collaboration to study commercial cross-border BVLOS drone skyways**

<https://www.aerospacetestinginternational.com/news/drones-air-taxis/michigan-and-ontario-investigate-creation-of-drone-skyways.html>

## 1.9. INFORMATIONAL (P5)

### **Gloucester Police utilise drones to locate and nab trespassers, United Kingdom**

<https://www.gloucestershirelive.co.uk/news/gloucester-news/drone-helps-locate-trespass-suspect-6463348>

### **New Jersey urges residents to report suspicious drone activities and modifications, USA**

<https://nj1015.com/nj-security-officials-asking-you-to-report-suspicious-drone-activity/>

### **Taiwan passes \$8.6b defense budget including an attack drone system**

<https://newsinfo.inquirer.net/1539412/taiwan-passes-extra-8-6-billion-defense-budget-as-china-threat-grows>

## 1.10. DRONE TECHNOLOGY (P5)

### **H3 Dynamics completes wind tunnel tests for hydrogen-powered drone**

<https://www.unmannedsystemstechnology.com/2022/01/h3-dynamics-completes-wind-tunnel-tests-of-unmanned-hydrogen-aircraft/>

### **Testing of First-Person View (FPV) camera installed onto cockpit of a fixed wing drone**

[https://t.me/militarynews\\_ir/23806](https://t.me/militarynews_ir/23806)

### **Neuron Innovations collaborates with Hedera Hashgraph to track and trace drones, Scotland**

<https://cointelegraph.com/news/uk-air-traffic-tech-firm-uses-hedera-hashgraph-to-track-drones>

### **Smash Shooter incorporates rifles and precision targeting technology onto COTS drones**



Figure 13: Assault rifle attached onto a DJI Matrice 600 by SMASH SHOOTER

<https://www.unmannedsystemstechnology.com/2022/01/new-armed-drone-system-launched/>

### **Iris Automation and Doosan to use hydrogen fuel cell for BVLOS autonomous drone flights**

<https://www.irisonboard.com/doosan-mobility-innovation-partnership-iris-automation-drone-america/>

**Raytheon swarming technology allow COTS and custom-built drones to be controlled together**

[https://www.defenseworld.net/news/31149#.Yd1d\\_mhByUk](https://www.defenseworld.net/news/31149#.Yd1d_mhByUk)

**Airline Industry, AirAsia, obtain licence to conduct training for drone operations in Malaysia**

<https://www.thestar.com.my/business/business-news/2022/01/10/airasia-scaling-new-heights-with-drone-training>

*For Appendix items please click [this link](#).*