



NOTIFY ISSUE #134 (PUBLIC)
WEEKLY THREAT INTELLIGENCE

07 July 2022 | v1.0 RELEASE



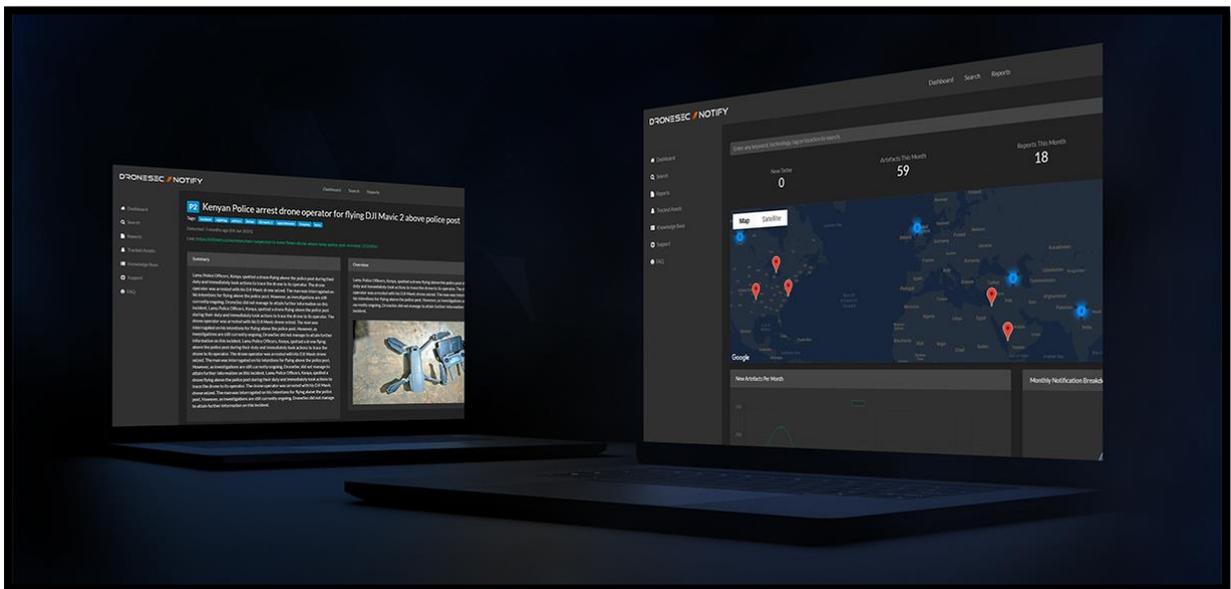
DOCUMENT CONTROL

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](#).

WHAT IS NOTIFY

An automated aggregation and monitoring system for global UAS incidents and threat actors in real-time.



- Notify gives you rich filtering for UAS/C-UAS threat intelligence
- Drone incidents by Category, Country, Priority, Tag, Drone make/model and more
- Customise and save your search queries for specific or general results





- Notify is your dedicated tracking and identification tool
- Get alerts and notifications as things happen
- Access hundreds of private reports, analysis and databases

Russian Marines modify DJI Mavic 2 with custom-built air dropper system to release grenade

air dropper | diy | drone payload | incident | modding | russia marine corps | +1

Created on 25 May 22 20:08. Last Updated on 26 May 22 12:21. [🔗](#) [🔖](#) [🌟](#)

Summary

Russian forces released a video of themselves arming a DJI Mavic 2 drone with a grenade. The drone was equipped with an external attachment – air dropper system that has a servo and a hook to latch and hold onto payloads.

In the video, the grenade safety pin was removed, arming the grenade, and a modified syringe, attached to the base of the air dropper system, was used to hold the grenade's safety lever in place. The grenade is then hooked into the latch of the air dropper system via a string before the drone flew off for its mission.



Incident Details

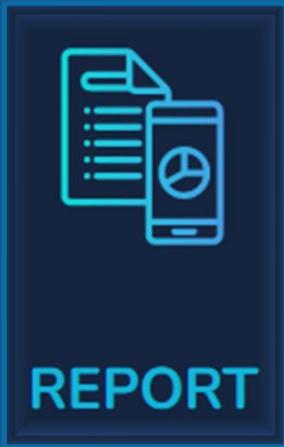
7480f7d0-eadd
18 May 22
Consumer Drone | Strike | +1
Mavic 2
Air
DroneSec Threat Analysts
Report
Moscow, Москва, RU Vetted

Threat Actor Database

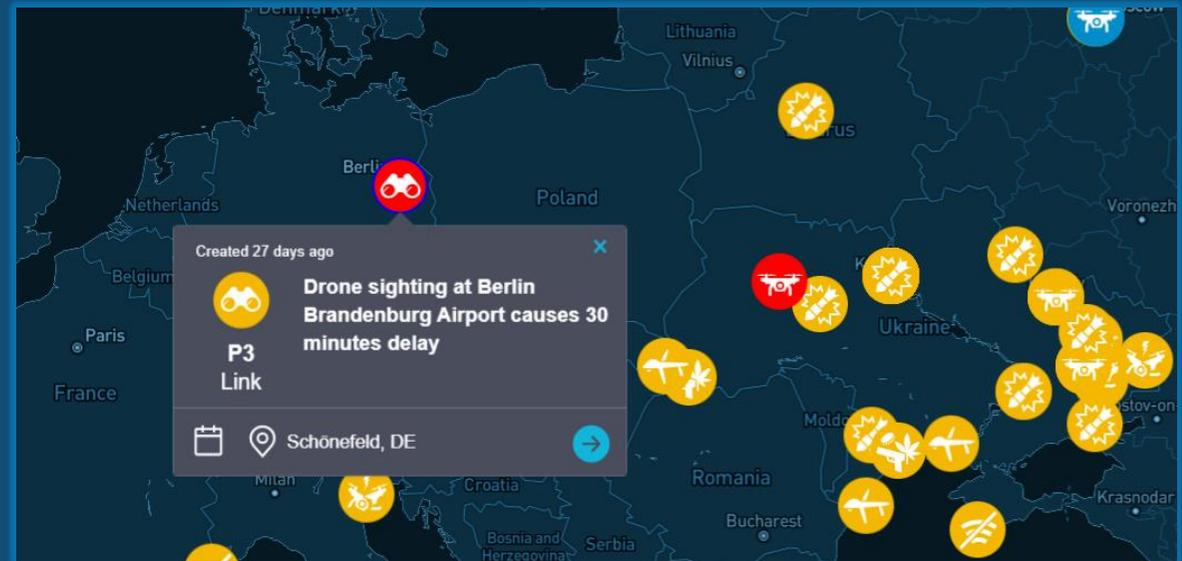
Search Anything ? DS

THREAT ACTORS

 Taliban	 Iran-backed Militias	 Boko Haram	 Naxalite-Maoist insurgency
 Jalisco New Generation Cartel	 Extinction Rebellion	 Hamas	 Houthi movement
 ISIS	 Khalistan Zindabad Force (KZF)	 Maute Group	 Prison Delivery Groups



- Understand your threat landscape with daily, weekly and monthly reports
- Generate detailed C-UAS intelligence reports and analysis for your teams



- One-Click sharing of intel to your teams, stakeholders and social media
- Export single reports or combine multiple reports into a single document output





INTEGRATIONS

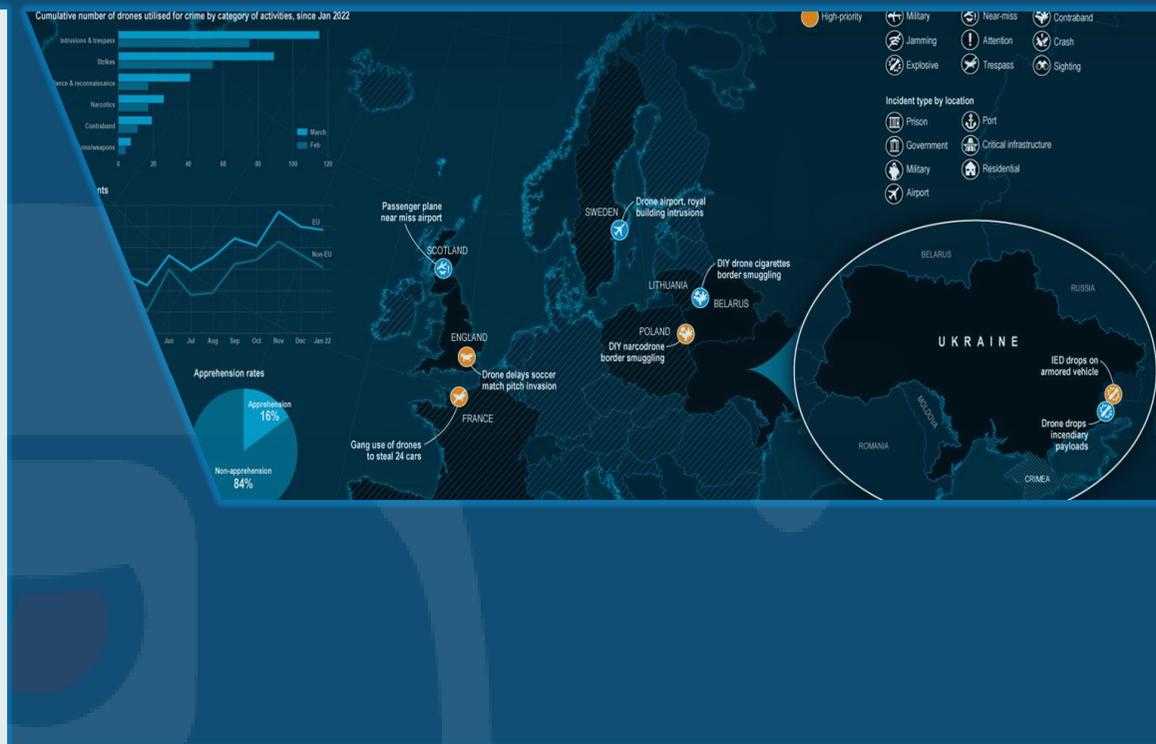
- Integrate into your SIEM or Command & Control (C2) using a variety of formats and protocols including STIX and TAXII
- Unleash the power of coordinated, bespoke threat intelligence.

The dashboard features a world map with several orange icons representing drone-related incidents. Below the map are tabs for 'Incidents', 'Artefacts', and 'Documents'. The 'Incidents' tab is active, displaying four incident cards:

- Pilots report drone at 6,500ft just 100ft away from aircraft, England**
Created 5 days ago
6 Jun 2022 | Aviation | **england** **incident** **nonapprehension** **nonseizure** +3
- Five Hamas members apprehended for planning to use drone to bomb train in Jerusalem**
Created 20 days ago
24 May 2022 | Consumer Drone | **apprehension** **hamas** **incident** **israel** +4
- Man arrested for flying DJI Mavic Air 2 drone over cleric's house without permission, Nigeria**
Created 26 days ago
14 May 2022 | Consumer Drone | **apprehension** **enugu** **incident** **michael ali** +5
- Russia News agencies report Ukrainian used of Phantom Ghost suicide drones in Kharkiv**
Created 35 days ago
6 May 2022 | Military Drone | **aevex phantom ghost** **drone strike** **kharkiv** +3

PRODUCT PLANS

	Plus	Premium	Enterprise
Intel Summary Reports	Weekly	Weekly	Weekly
Intel Trend Reports	Bi-Yearly	Monthly	Monthly
Intel Special Reports	-	Bi-Yearly	Quarterly
Intel Availability	Weekly	Real-Time	Real-Time
Notify Platform Accounts	1	4	12
Monitoring and Notifications	-	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Filtering and Favorites	-	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Knowledge Base & Archive	Limited	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Data Export Controls	-	Basic	Advanced
Threat Actor Database	-	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Drone Database	-	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
C-UAS Database	-	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Stolen Drone Database & API	-	Optional	<input checked="" type="checkbox"/>
Custom Intelligence Collection	-	-	<input checked="" type="checkbox"/>
Dedicated Intel Analyst	-	-	<input checked="" type="checkbox"/>
Team Sharing & Management	-	-	<input checked="" type="checkbox"/>
SIEM Integration & API	-	-	<input checked="" type="checkbox"/>
Support Level	72 Hours	24 Hours	24/7/365



Plan	Price (USD)	Description
PLUS	\$495 p/m	Organizations who need a weekly email summary and monthly roll-up of all related drone and counter-drone incidents.
PREMIUM	\$1495 p/m	Organizations who want platform access to both historical and 24/7 real-time visibility and alerting of all drone incidents.
ENTERPRISE	Contact Us	Organizations with large C-UAS teams or seek TIP integrations into their products, workflows or reporting mechanisms.

All subscriptions include historical archive access to all **DroneSec** research, reports, documents and published materials. Support time indicates typical response time.

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1. THREAT INTELLIGENCE

1.1. MONTHLY ROLL-UP

Each month Notify features an aggregated summary of drone incident types, trends, affected sectors and collated numerical data on drone incidents. Extended analytics with full database-searchable functionality is only offered to paid customers via the [DroneSec Notify Platform](#).

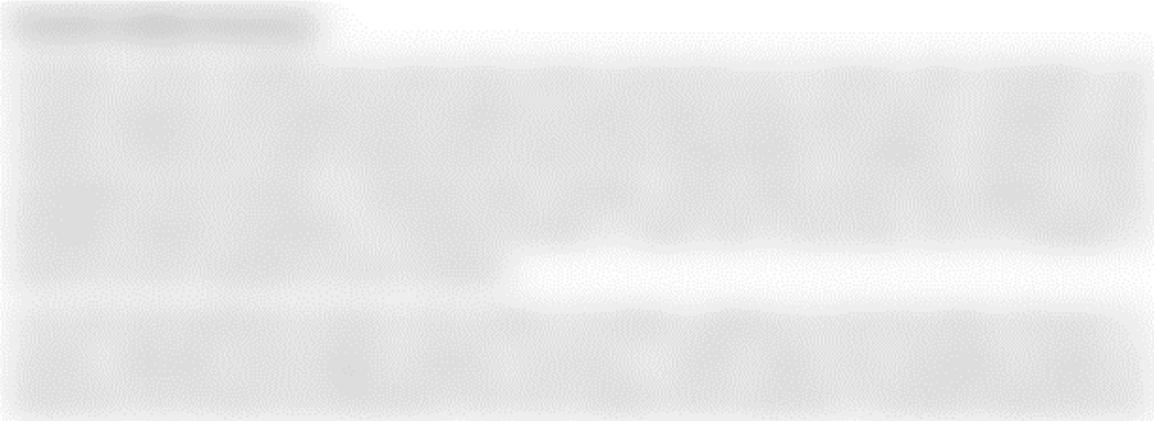
Below you will find statistics to measure correlation, location and systems involved over data we have collected for June 2022.

2022 in Summary

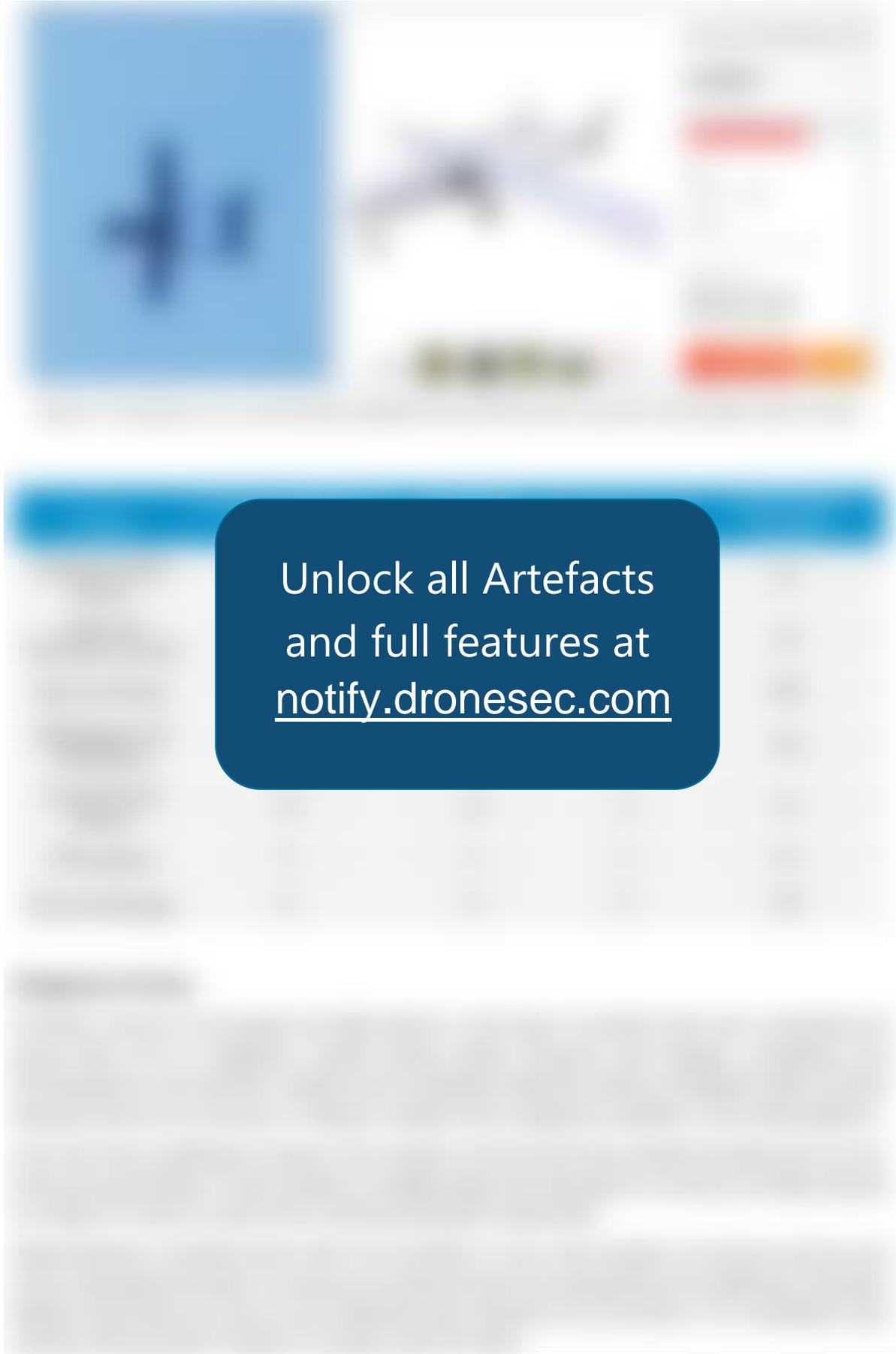
DroneSec recorded one thousand one hundred and sixty-three (1,163) artefacts in the current year thus far which equates to roughly six artefacts per day. June 2022 saw a significant increase in number of drone related intrusions and trespasses, some amounting to safety incidents. However, most of these incidents saw the drone operator getting away without apprehension. DroneSec recorded several incidents where drones were modified to carry a variety of payloads and in one instance, was tested against a live counter-drone system to test its effectiveness.

The statistics below are for June 2022, with artefacts from Notify release #129 - #133.

Month	Number of Artefacts	Global number of artefacts per day	Month-on-month increase
January	141	4.55	N/A
February	156	5.57	(+15) +9.61%
March	255	8.23	(+99) +38.8%
April	192	6.40	(-63) -32.8%
May	195	6.29	(+3) 1.54%
Jun	224	7.47	(+29) 12.9%
Total (2022)	1,163	6.43	N/A



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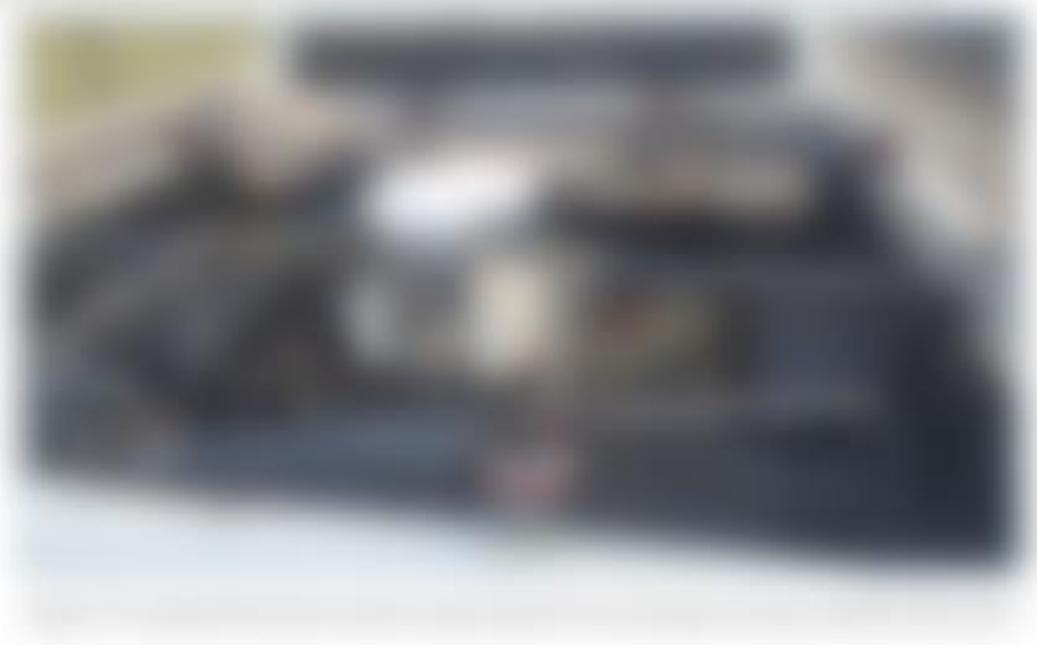
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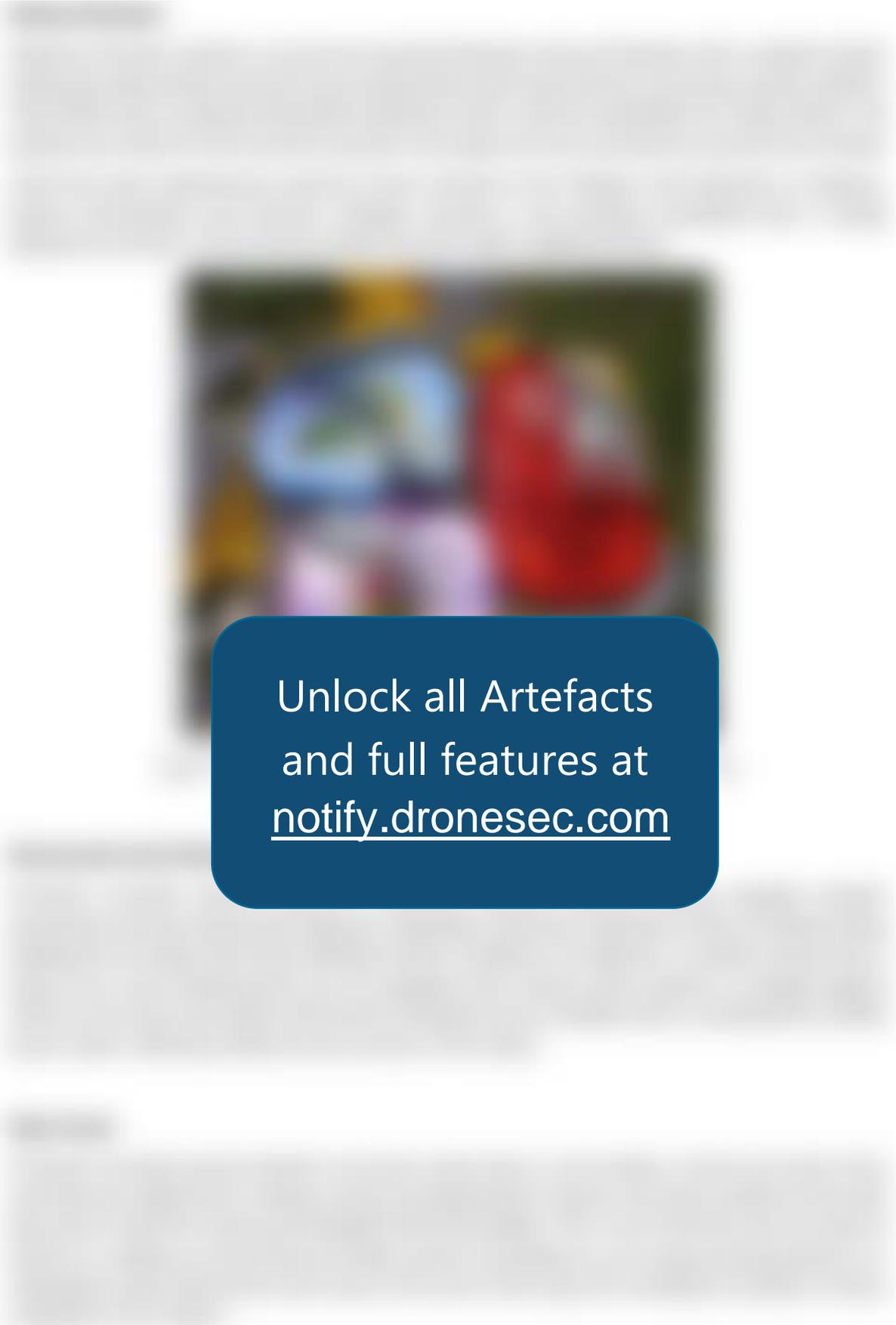
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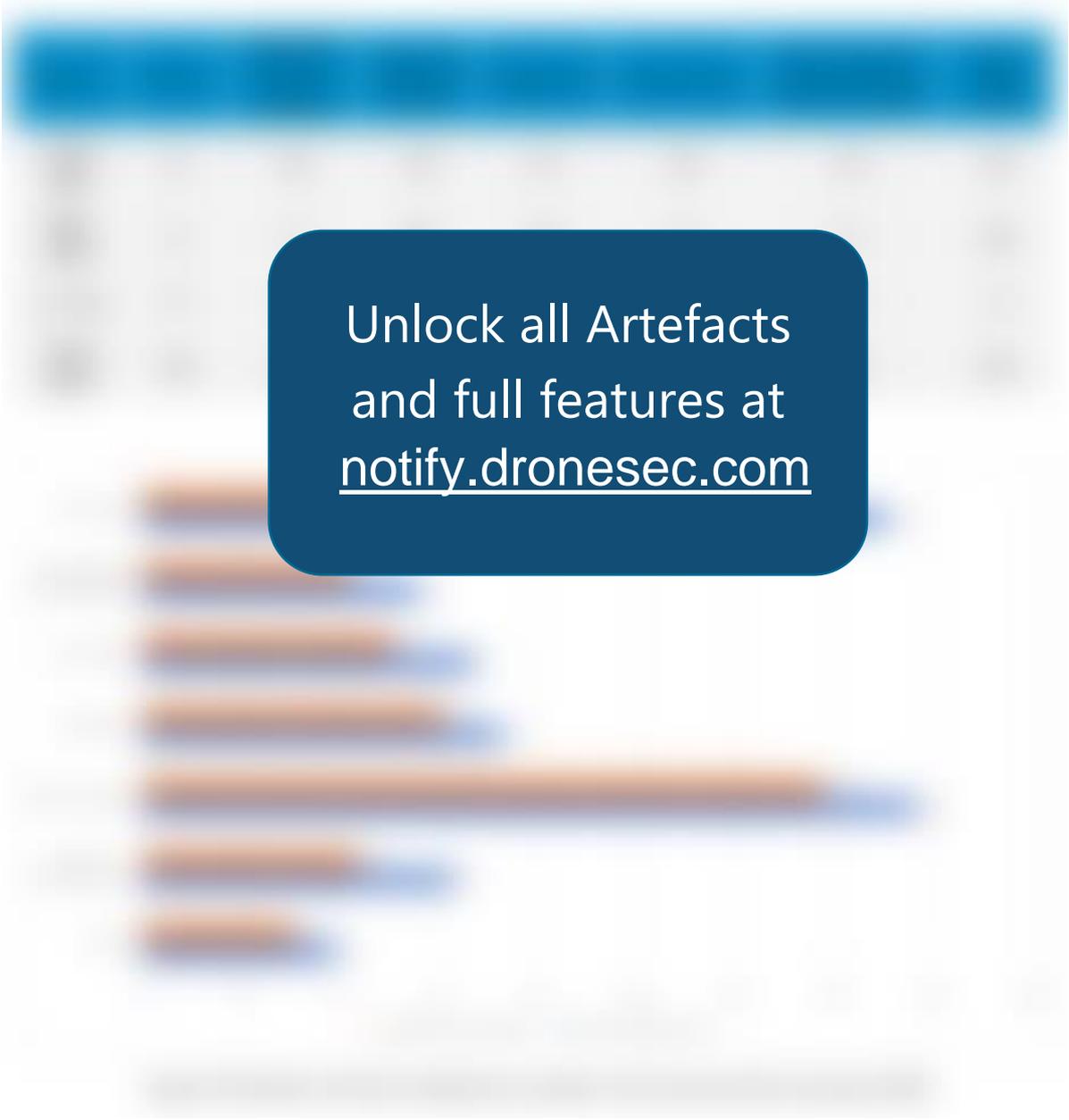
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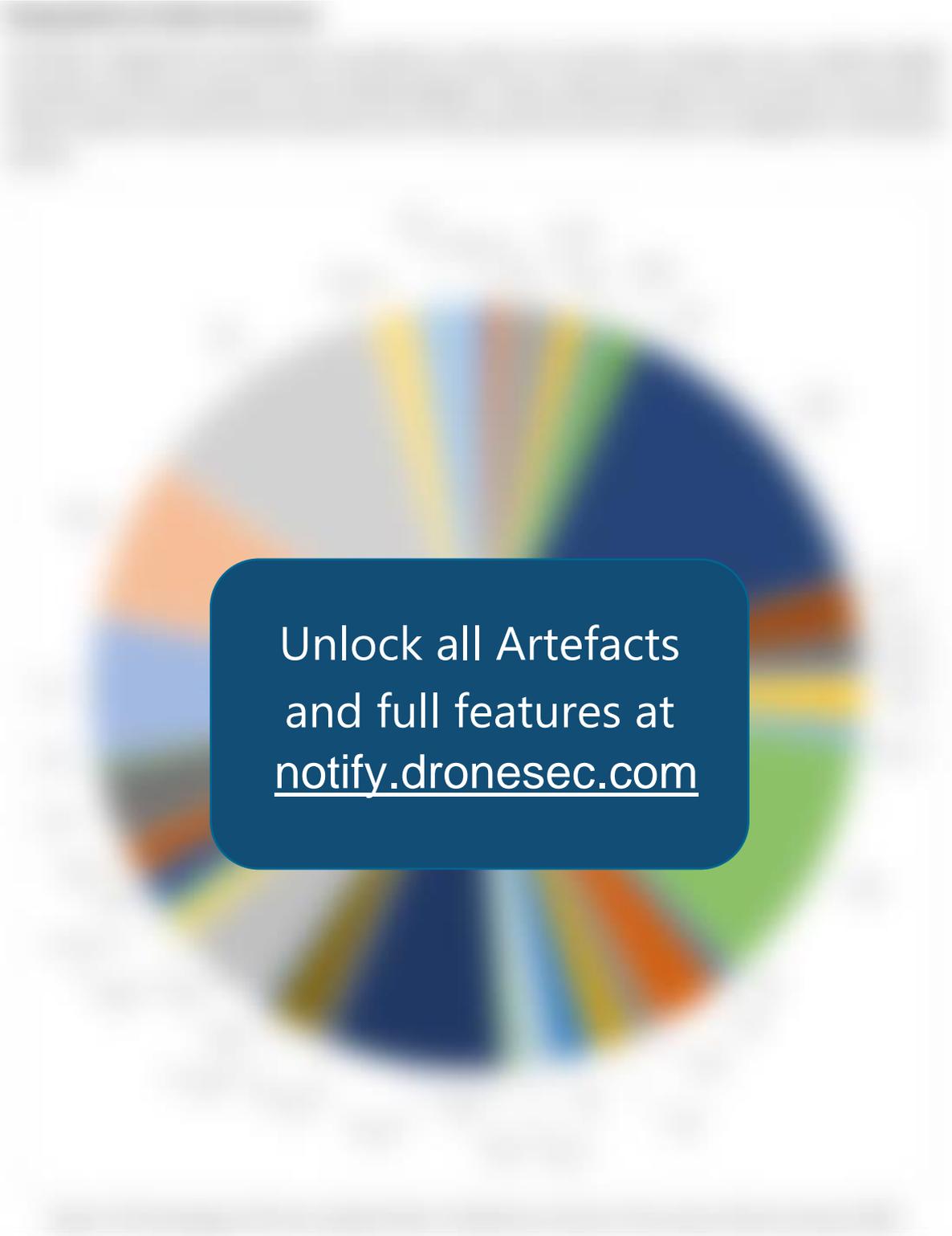
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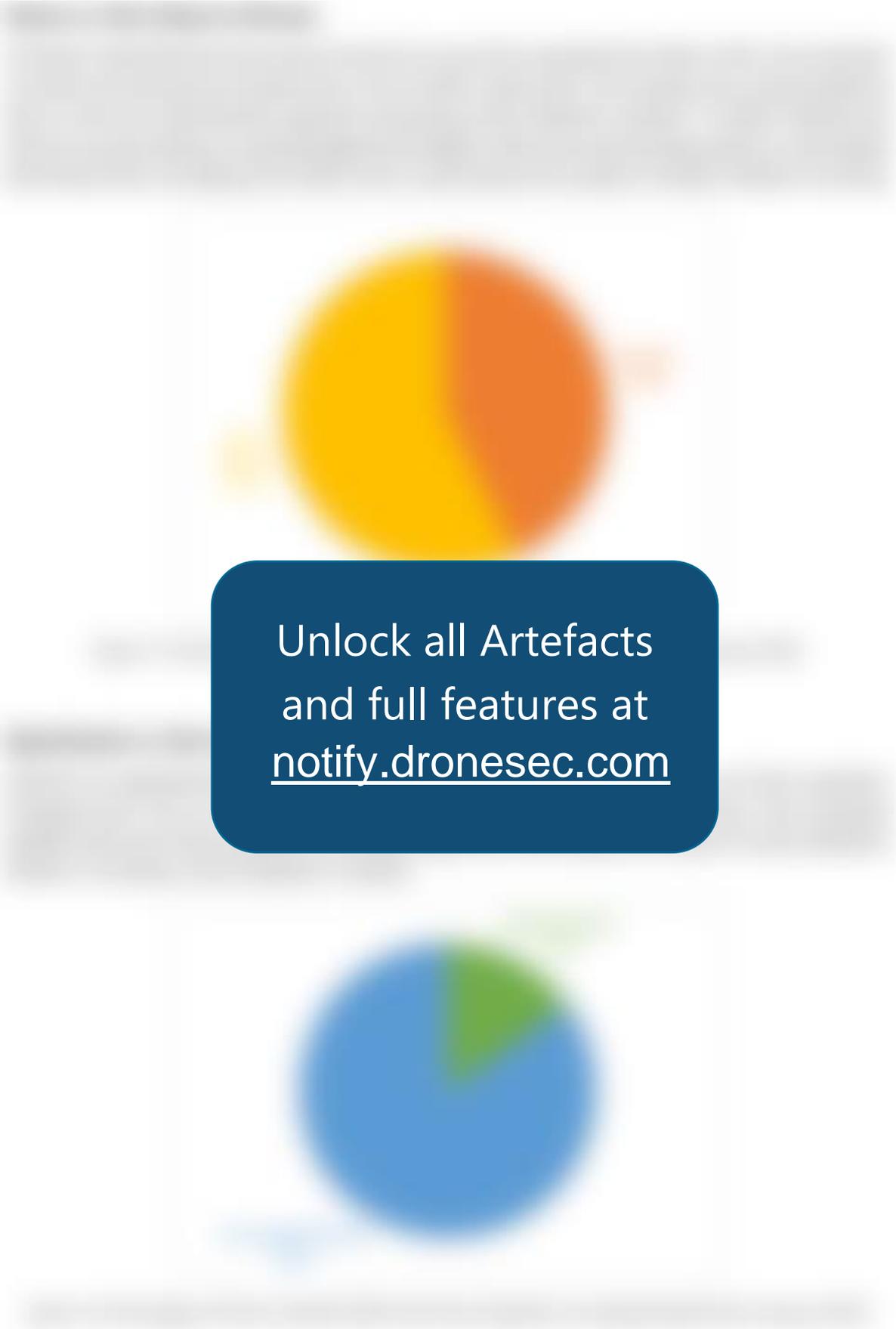


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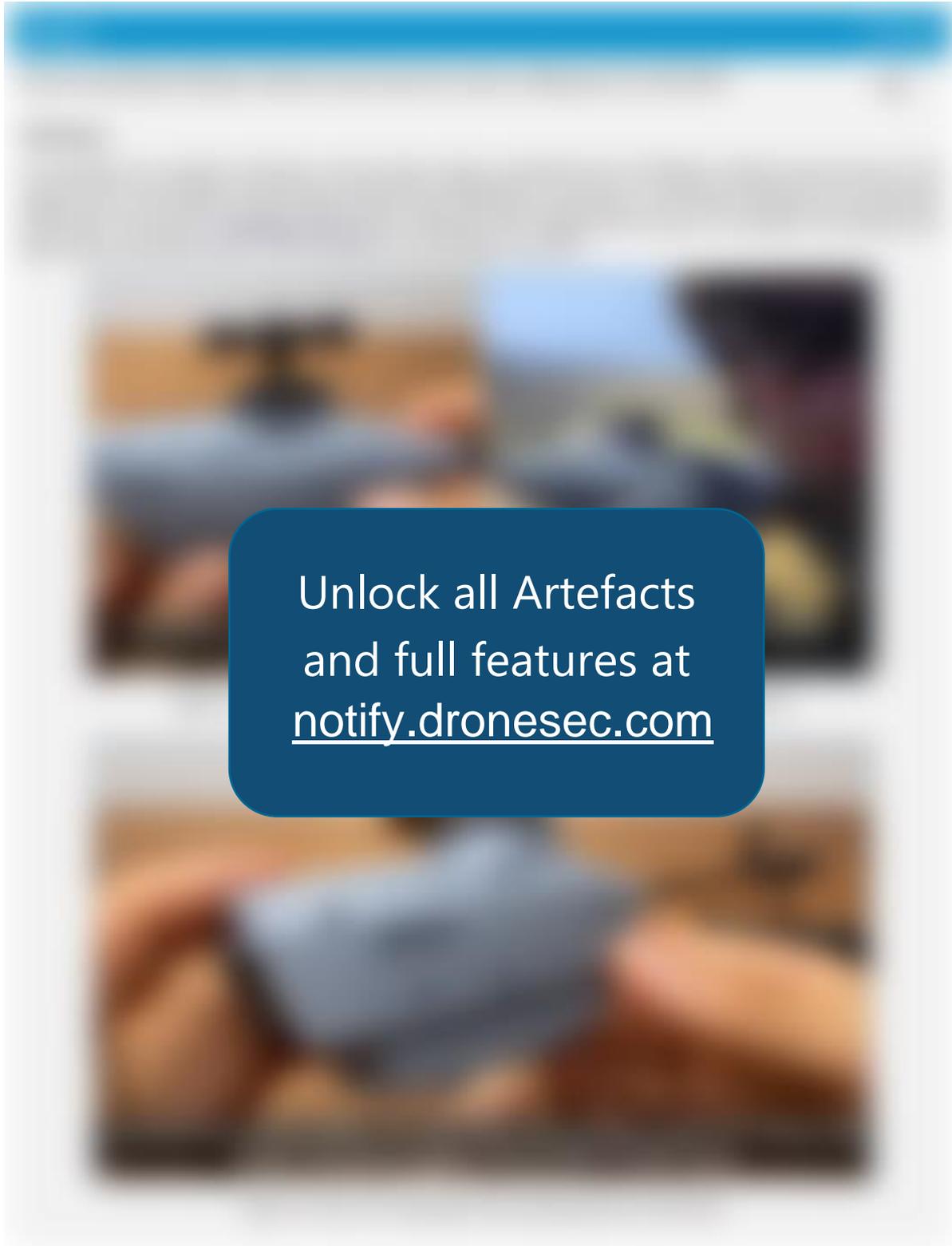
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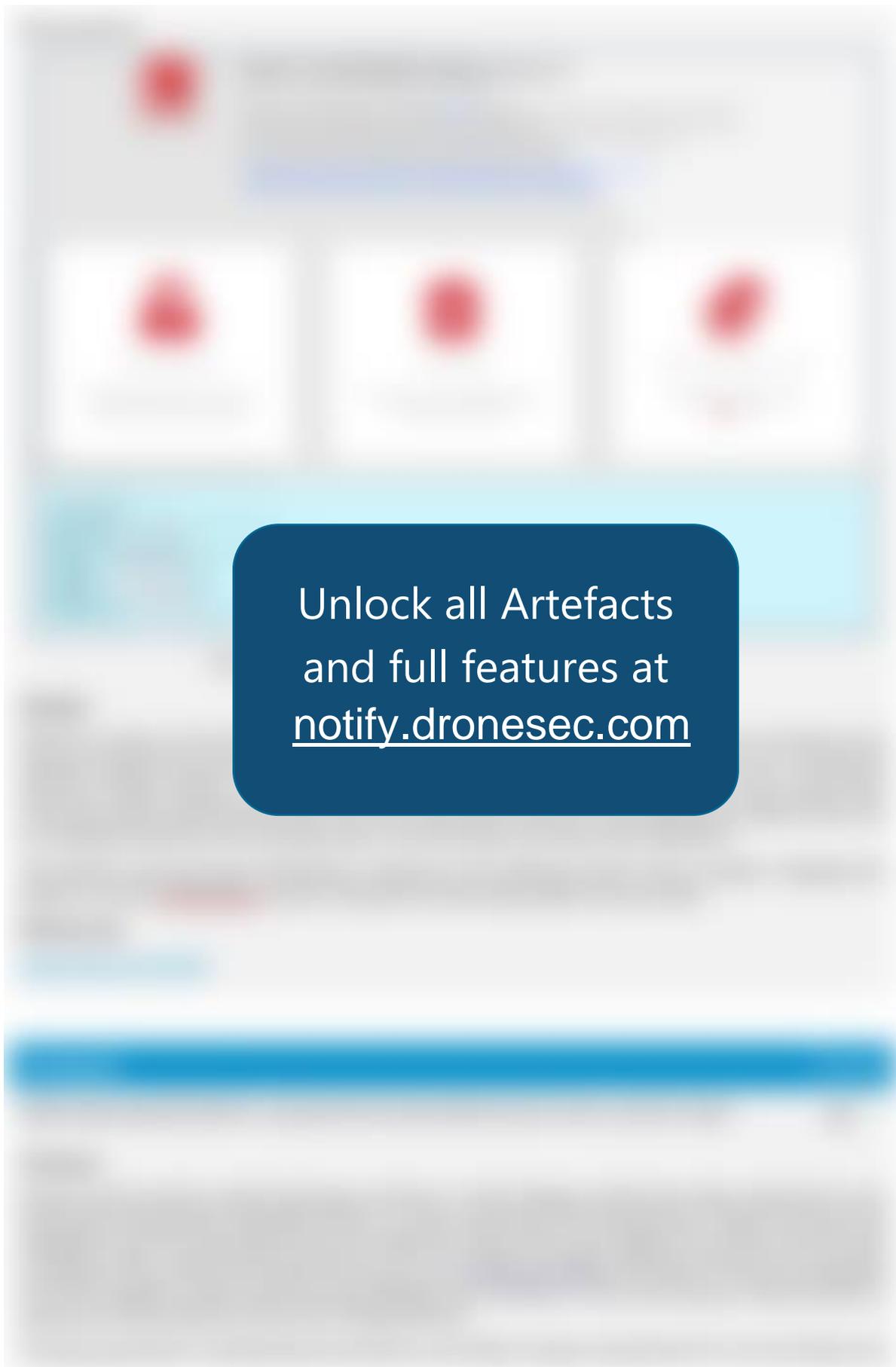
– This concludes our monthly roll up for the artefacts we have consolidated for June 2022 –

1.2. FEATURED ADVISORIES

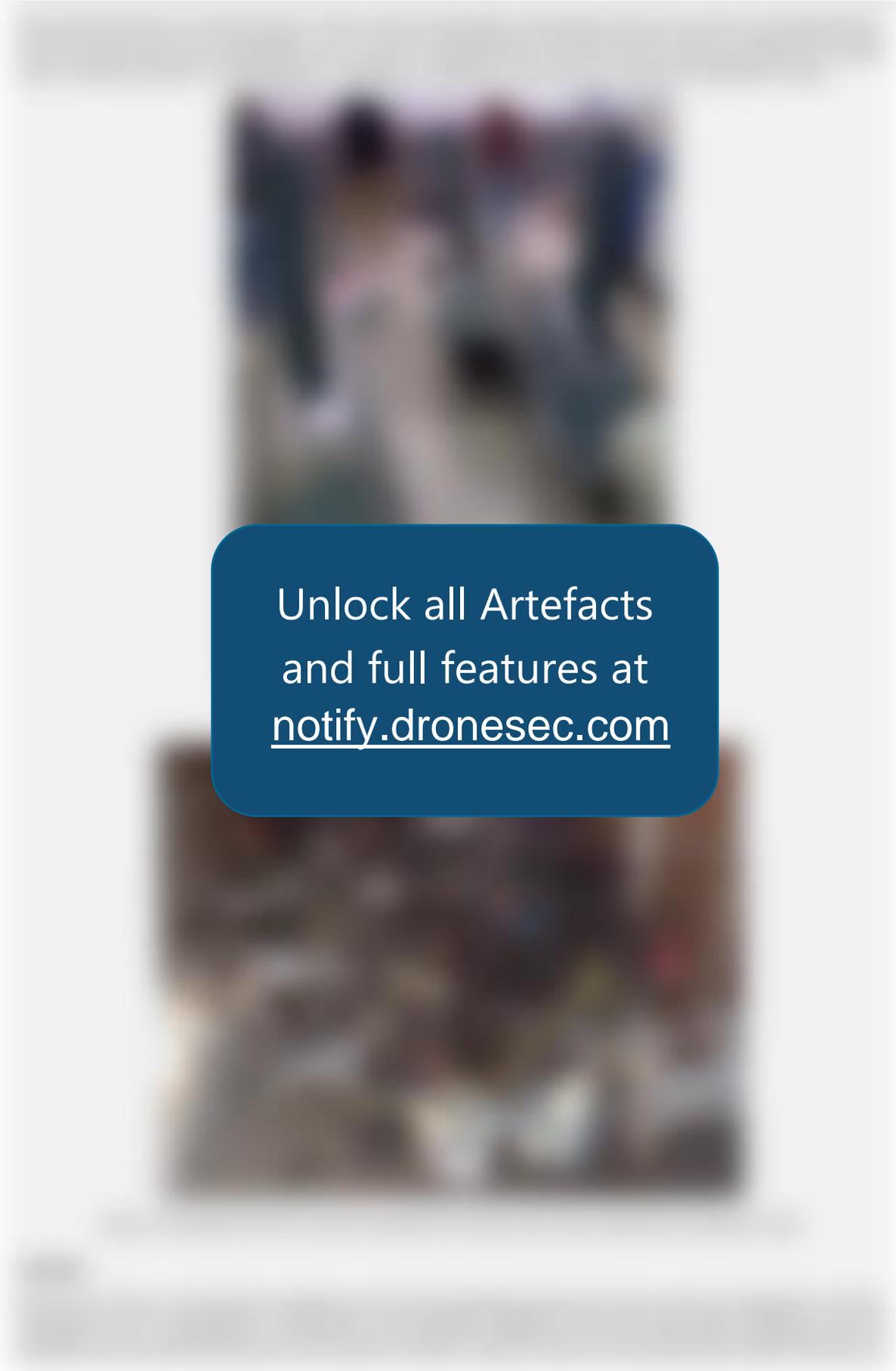
The prioritisation table and how we filter, analyse and visualise the intelligence we collect is located at the end of the document.



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1.3. CYBER AND DATA SECURITY (P3)

DJI911 release hardware modification for DJI RC PLUS controller to boost signal strength

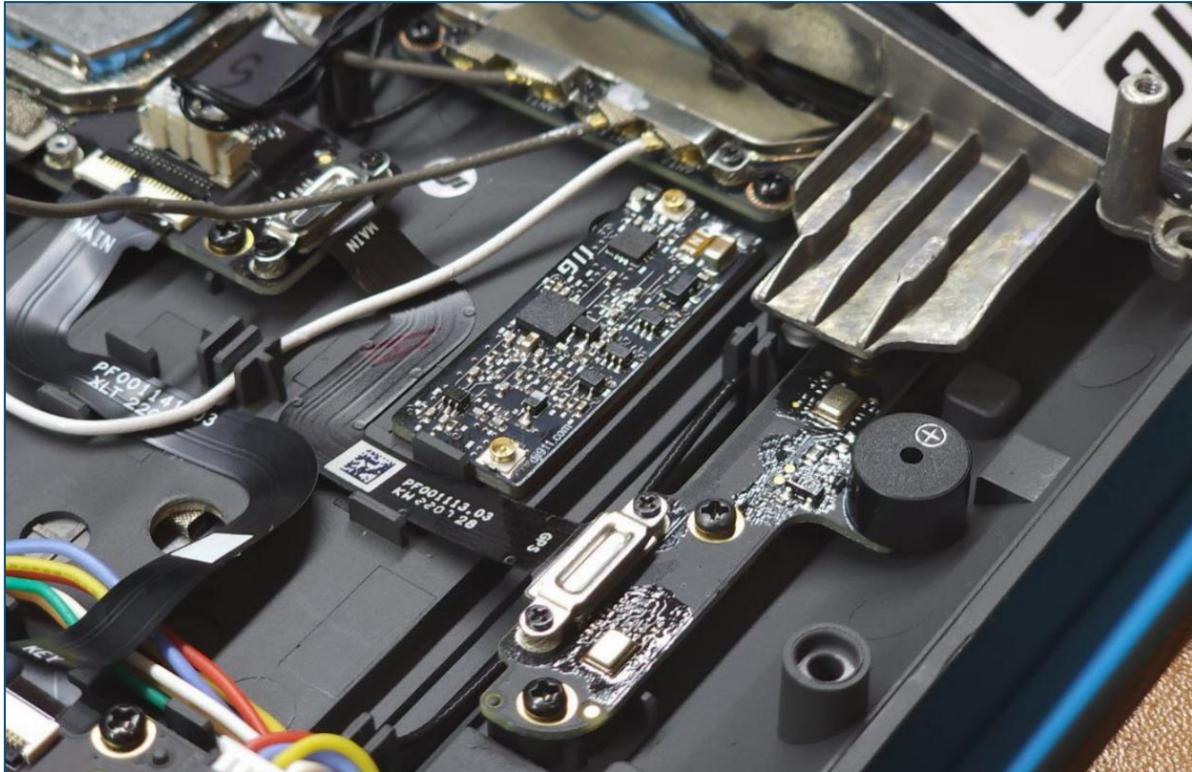


Figure 1: DJI911 NeoBooster hardware modification soldered into the DJI RC PLUS controller

<https://drones.ec/eO9X2>

1.4. NON-CONFLICT NEWS AND EVENTS (P3)

Man apprehended for unintentional malicious use of drone to drop candy for kids, USA

<https://drones.ec/C1U8a>

Two Pakistani drones spotted in Samba within two days; search for contraband drops

<https://drones.ec/eEyKU>

3.5kg of narcotics found in a field near Indian border village, suspected Pakistani drone

<https://drones.ec/OMdKN>

Wildlife Society reports drones harassing birds at St Mary's Island, Whitley, UK

<https://drones.ec/B4At6>

Drone sighted near Penticton Airport, Canada, operator could not be found

<https://drones.ec/d3fUk>

DJI AeroScope registers Mini 2 flying at 4,600ft near Schiphol Airport, Netherlands



Figure 2: DJI Mini 2 seized for illegal flight near Schiphol Airport

<https://drones.ec/2zaim>

Drone crashes into helmet of stunt car driver during Fresh Auto Show in Tyumen, Russia



Figure 3: Snippets from a video of a drone flying straight into the car

<https://drones.ec/1qirV>

Pilot spots non-permitted drone activity in Skaha Marina, Canada, no flight impact

<https://drones.ec/SuYKc>

Two manned airplane pilots report drone sighting at Toronto Pearson Airport, Canada

<https://drones.ec/dntbg>

Aeroplane pilot reports drone sighting during landing into Winnipeg Airport, Canada

<https://drones.ec/iltXw>

Pilot of private plane reports drone sighting about 1.8km from Boundary Bay Airport, Canada

<https://drones.ec/uHCn2>

Drone falls from roof of high-rise residential building onto car below, Moscow

<https://drones.ec/FycN8>

Drone operator reported by beachgoers for illegal flying in Playa de Palma beach, Spain



Figure 4: Drone spotted flying illegally in Playa de Palma beach

<https://drones.ec/7XSwG>

Operator arrested and drone downed by CUAS system for overflying concert illegally, France

<https://drones.ec/jdEIN>

1.5. CONFLICT NEWS AND EVENTS (P3)

Alleged Russian Forpost drone crashes into residential house in Taganrog, Russia



Figure 5: The right wing from a drone that crashed into a residential house

<https://drones.ec/SK7Wz>

Israel downs three Hezbollah drones flying toward Karish gas rig over the Mediterranean Sea

<https://drones.ec/a6E3G>

PDF Mavic Air 2 drone drops explosive onto fire department; drone shot down, Myanmar



Figure 6: DJI Mavic Air 2 with custom modifications to hold and drop explosive

<https://drones.ec/7yq8h>

Myanmar reports PDF resistance group targeting a primary school with drones in Shwebo

<https://drones.ec/4weC5>

Russian Interior Ministry investigator injured by explosives dropped on his home, Kursk

<https://drones.ec/qfEJy>

Russian soldiers using captured Ukrainian drone to drop explosives onto Ukrainian forces



Figure 7: Explosives dropped by a Russian captured Ukrainian drone

<https://drones.ec/uk7Yl>

Russian drone drops explosives onto Ukrainian trench, Kherson, Ukraine



Figure 8: Modified grenade with an ice-cream stick dropped by a drone

<https://drones.ec/kEZF4>

Aerorozvidka Unit showcase drone strikes despite experiencing electronic interference



Figure 9: Snippet from a video of the Aerorozvidka R-18 drone experience jamming

<https://drones.ec/xTpXI>

Aerorozvidka Unit release multiple snippets of drone strike footage against Russian forces

<https://drones.ec/TmRK7>

Russian Forpost drone shot down by Ukrainian forces in Mykolaiv

<https://drones.ec/gZojq>

Ukrainian border guards shoot down drone carrying explosives in Sumy region



Figure 10: Remnants of a drone that was dropping explosives in Sumy

<https://drones.ec/9JTm9>

Ukrainian drone drops explosives into a trench containing Russian soldiers



Figure 11: Explosives dropped by a Ukrainian drone into a Russian-made trench

<https://drones.ec/ds18c>

Ukrainian drone drops explosives onto two Russian soldiers hiding under foliage

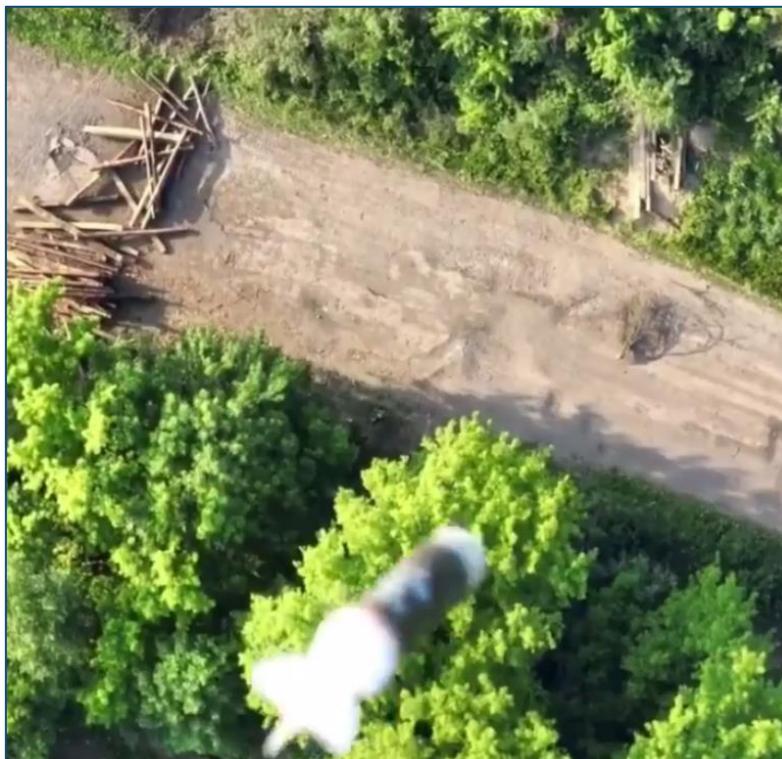


Figure 12: Explosives dropped onto two Russian soldiers hiding under foliage

<https://drones.ec/1xlxO>

Ukrainian drone drops munitions on tanks, transport trucks and infantry carriers in Kharkiv



Figure 13: Explosives dropped onto a Russian soft-skin supply truck

<https://drones.ec/Q1B5n>

Ukraine reports shooting down Russian drone over Dnipropetrovsk region

<https://drones.ec/xDGys>

Ukrainian Army release drone video of an explosive drop against Russian troops, Mykolaiv



Figure 14: Mykolaiv-based Ukrainian Army dropping explosive onto Russian soldiers

<https://drones.ec/RPIGQ>

Video of DJI Mavic 3 drone dropping explosives on Russian forces before being shot down



Figure 15: Snippet from a DJI Mavic 3 drone dropping explosives onto Russian forces

<https://drones.ec/PH1ft>

Russian Buk-M1 air defence systems hits and destroys Ukrainian drone

<https://drones.ec/VoBnX>

1.6. SOCIALS (P4)

Drone footage of Lashkar-e-Taiba hideout being destroyed with explosives by Indian Army

<https://drones.ec/YJPo8>

Drone loses signal and lands in freeway with heavy traffic, Malaysia

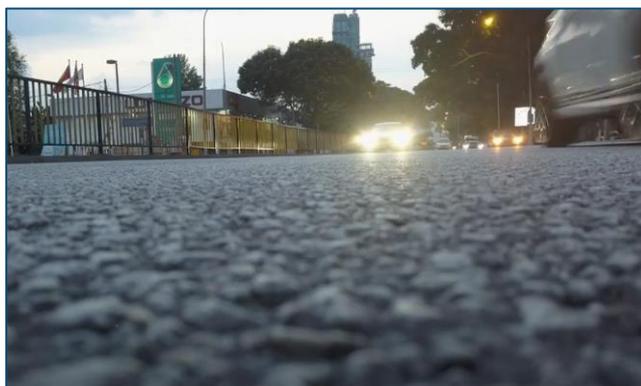


Figure 16: Snippets from a drone that broke free from the operator's controller, landing onto a busy road

<https://drones.ec/UWkIp>

1.7. WHITEPAPERS, PUBLICATIONS & REGULATIONS (P4)

How Commercial Drones are Changing the International Security Environment (Commentary)

<https://drones.ec/clrpc>

Ukraine's drones are becoming increasingly ineffective as Russia ramps up its electronic warfare and air defences (Commentary)

<https://drones.ec/WCaiU>

DroneSec release OPSEC Guide for Use of COTS drones in Conflict Areas for LEA, Government and Military users

[Available in Notify Platform](#)

Civil Aviation Authority Australia RPAS and AAM Strategic Regulatory Roadmap

[Available in Notify Platform](#)

1.8. COUNTER-DRONE SYSTEMS (P4)

Indian Border Security Forces trains border residents on SOPs to combat drones, Ferozepur

<https://drones.ec/qPvLe>

1.9. UTM SYSTEMS (P4)

Plotting the differences between the EU and US U-space/UTM regulatory frameworks (Commentary)

<https://drones.ec/RkBoG>

1.10. INFORMATIONAL (P4)

Teledyne FLIR to supply Norwegian Army with more Black Hornet nano drones

<https://drones.ec/uBvID>

Lincolnshire Police drone spots two suspicious people suspected of dealing narcotics

<https://drones.ec/GMFD5>

Baykar to donate additional TB2 drones to Ukraine for the conflict

<https://drones.ec/COFtm>

Baykar Defense to commit entire Bayraktar TB2 production to Ukraine

<https://drones.ec/TNP1L>

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