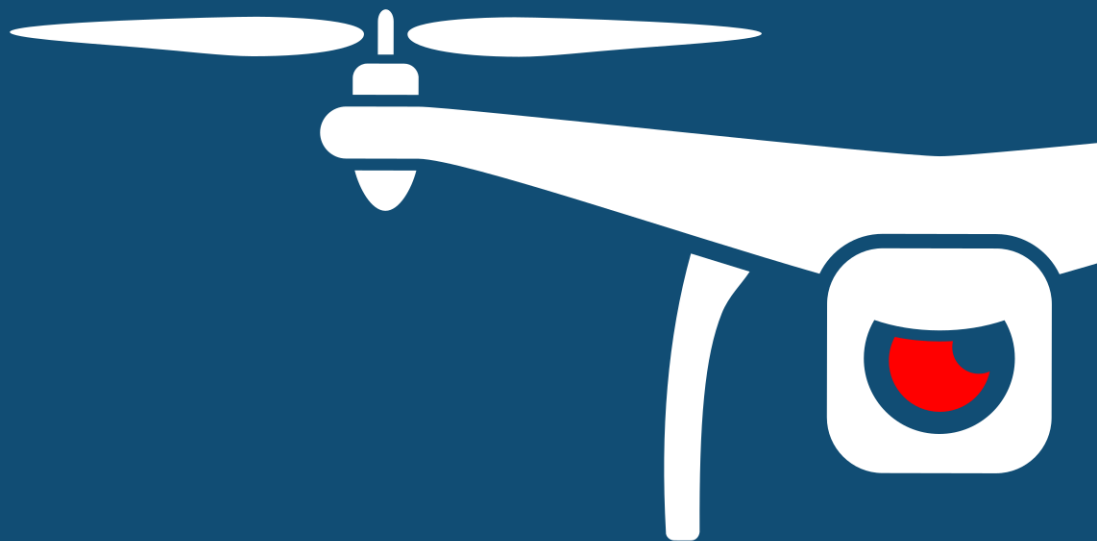




NOTIFY ISSUE #125 (PUBLIC)

WEEKLY THREAT INTELLIGENCE

05 May 2022 | v1.0 RELEASE



UAS HACKING, HARDENING AND DEFENCE

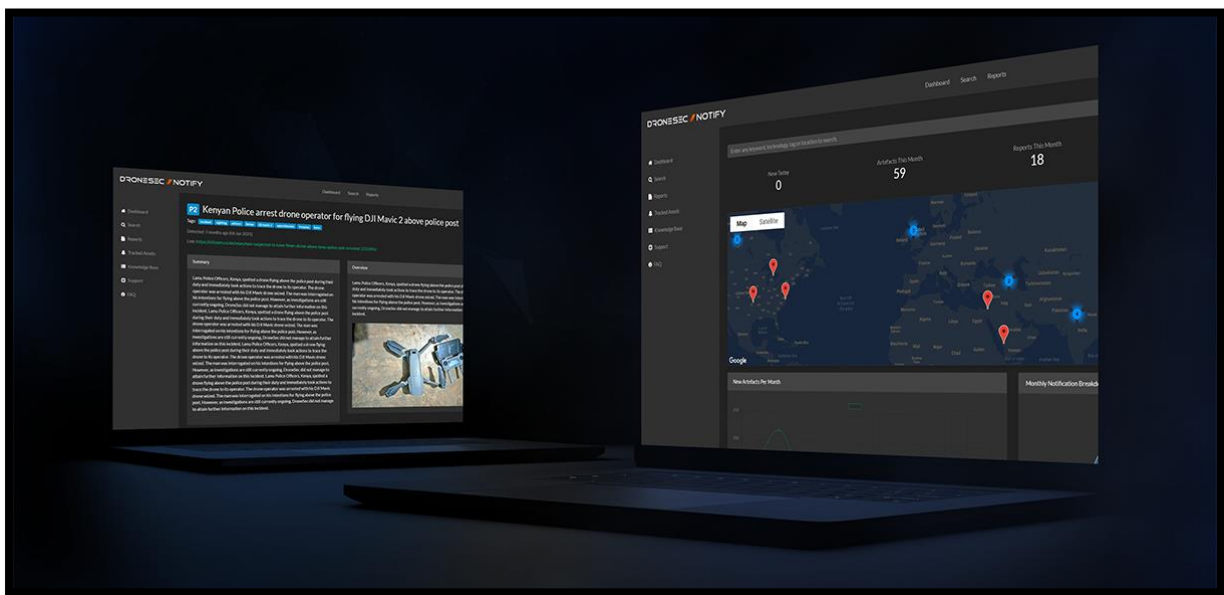
DOCUMENT CONTROL

PREPARATION

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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](#).

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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 April 2022.



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

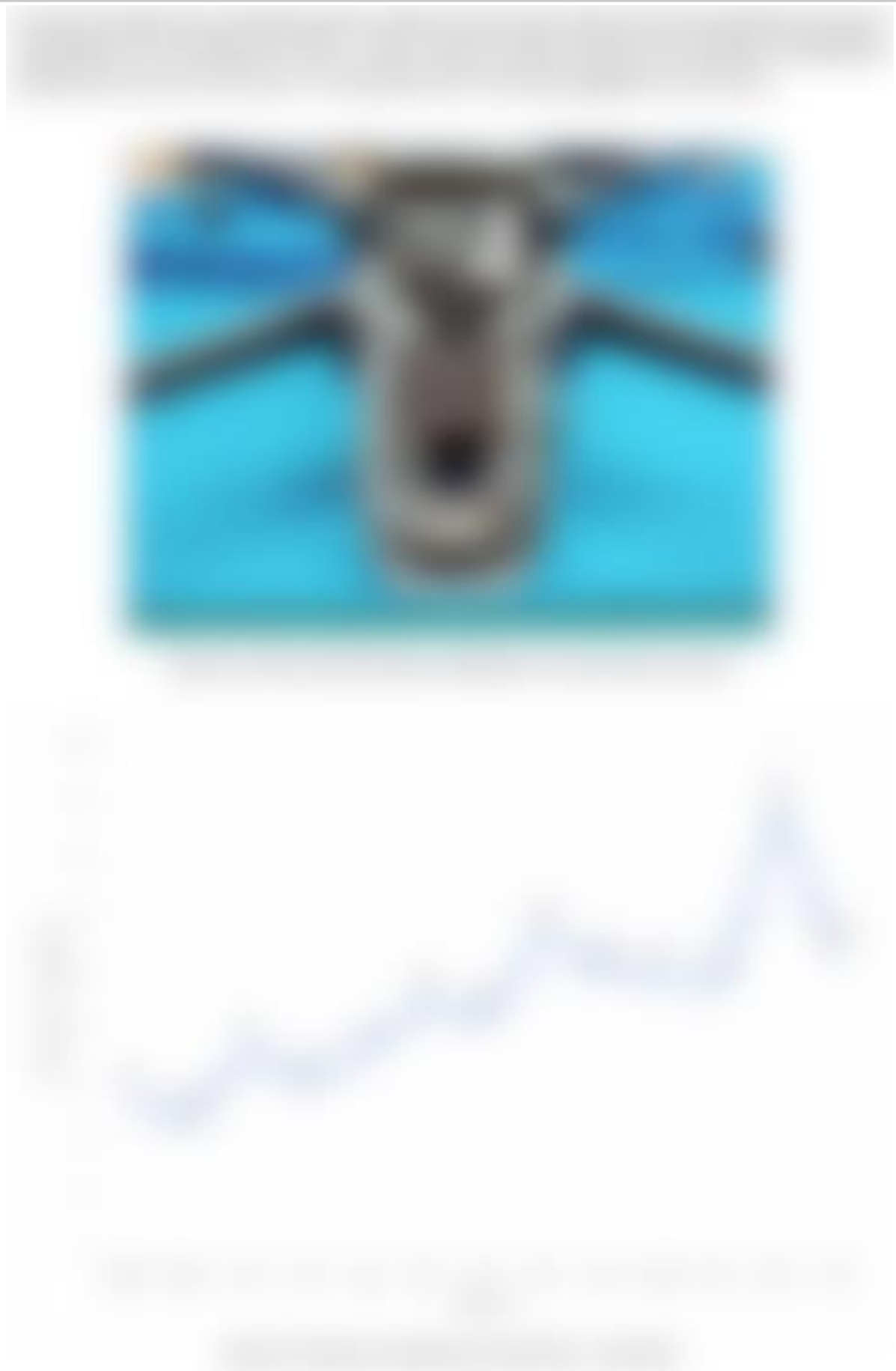


Figure 3: Can't see this? Contact us to sign up for Notify PRIVATE



Figure 4: Can't see this? Contact us to sign up for Notify PRIVATE

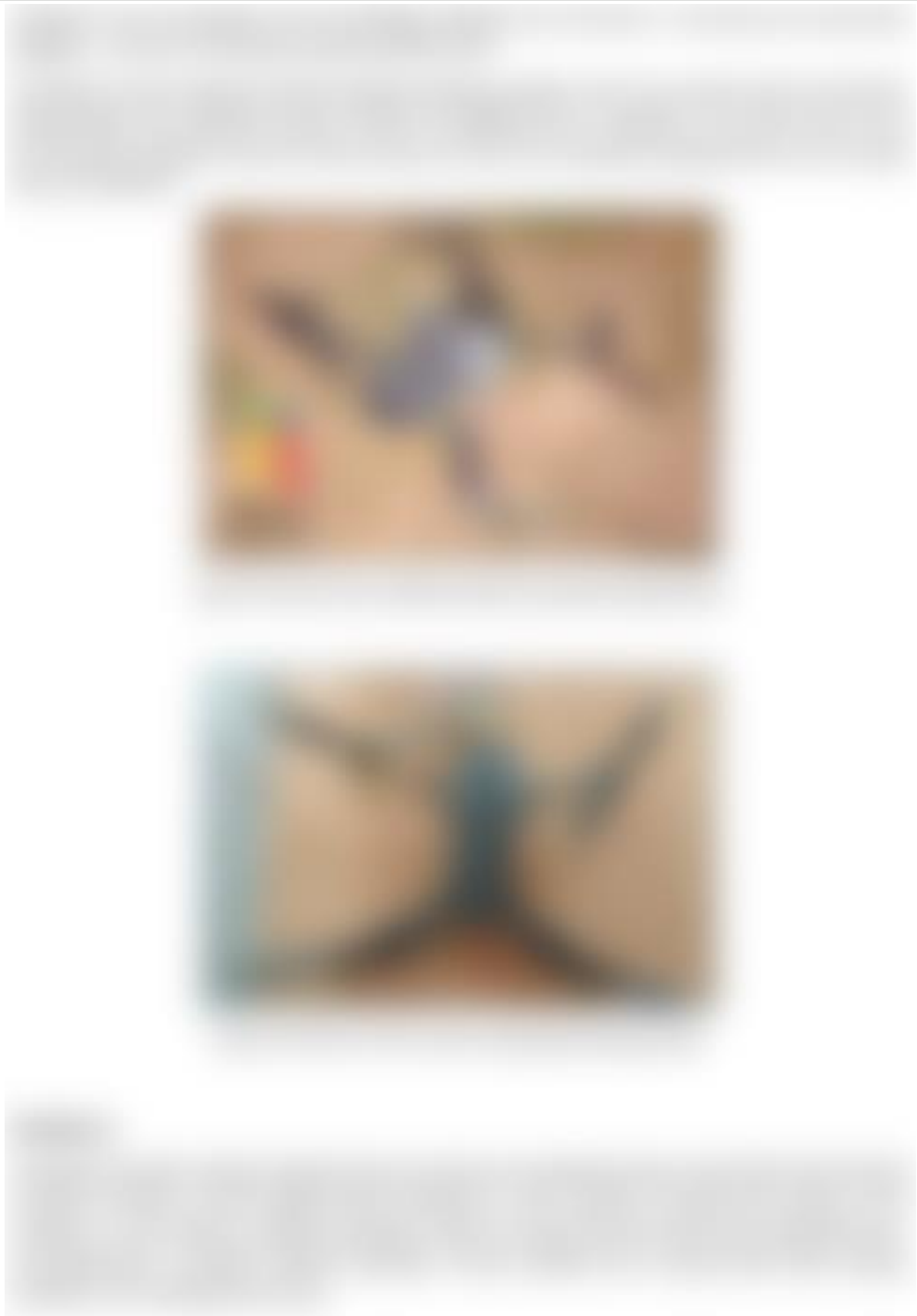


Figure 5: Can't see this? Contact us to sign up for Notify PRIVATE



Figure 6: Can't see this? Contact us to sign up for Notify PRIVATE



Figure 7: Can't see this? Contact us to sign up for Notify PRIVATE



Figure 8: Can't see this? Contact us to sign up for Notify PRIVATE

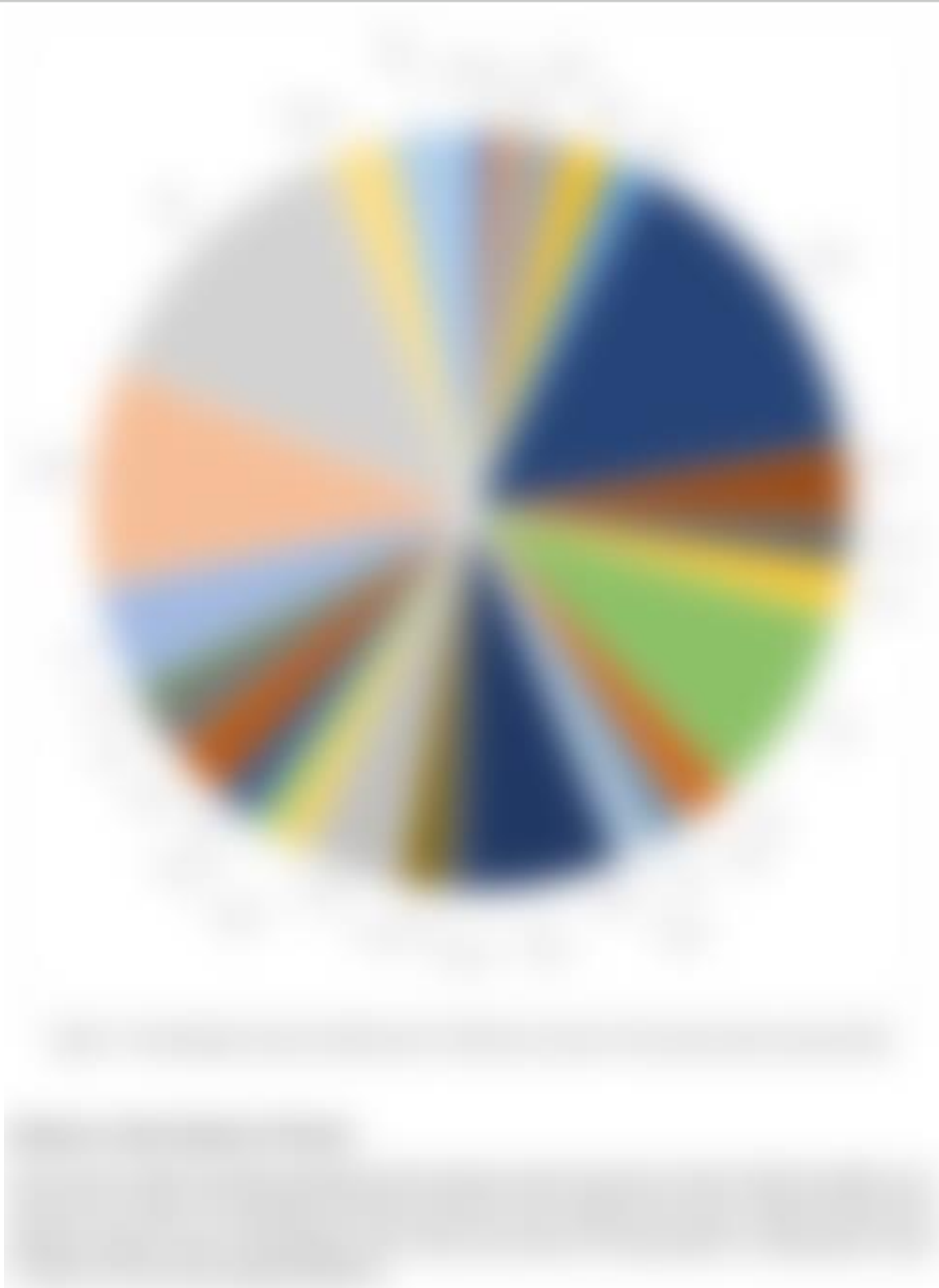


Figure 9: Can't see this? Contact us to sign up for Notify PRIVATE



Figure 10: Can't see this? Contact us to sign up for Notify PRIVATE

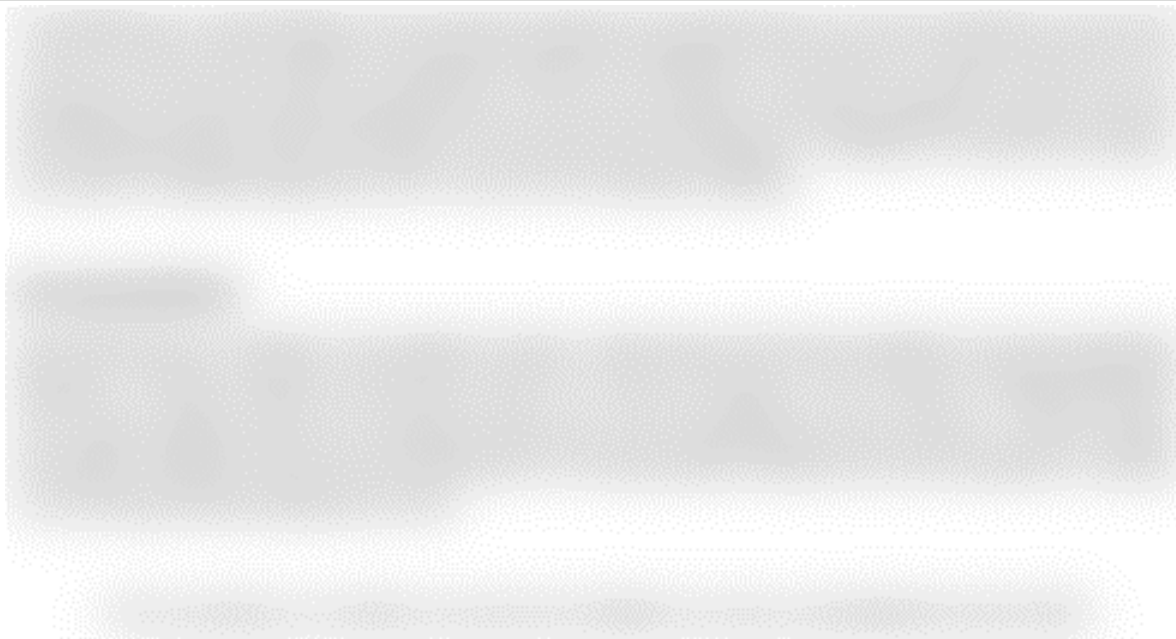


Figure 11: Can't see this? Contact us to sign up for Notify PRIVATE

– This concludes our monthly roll up for the artefacts we have consolidated for April 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.

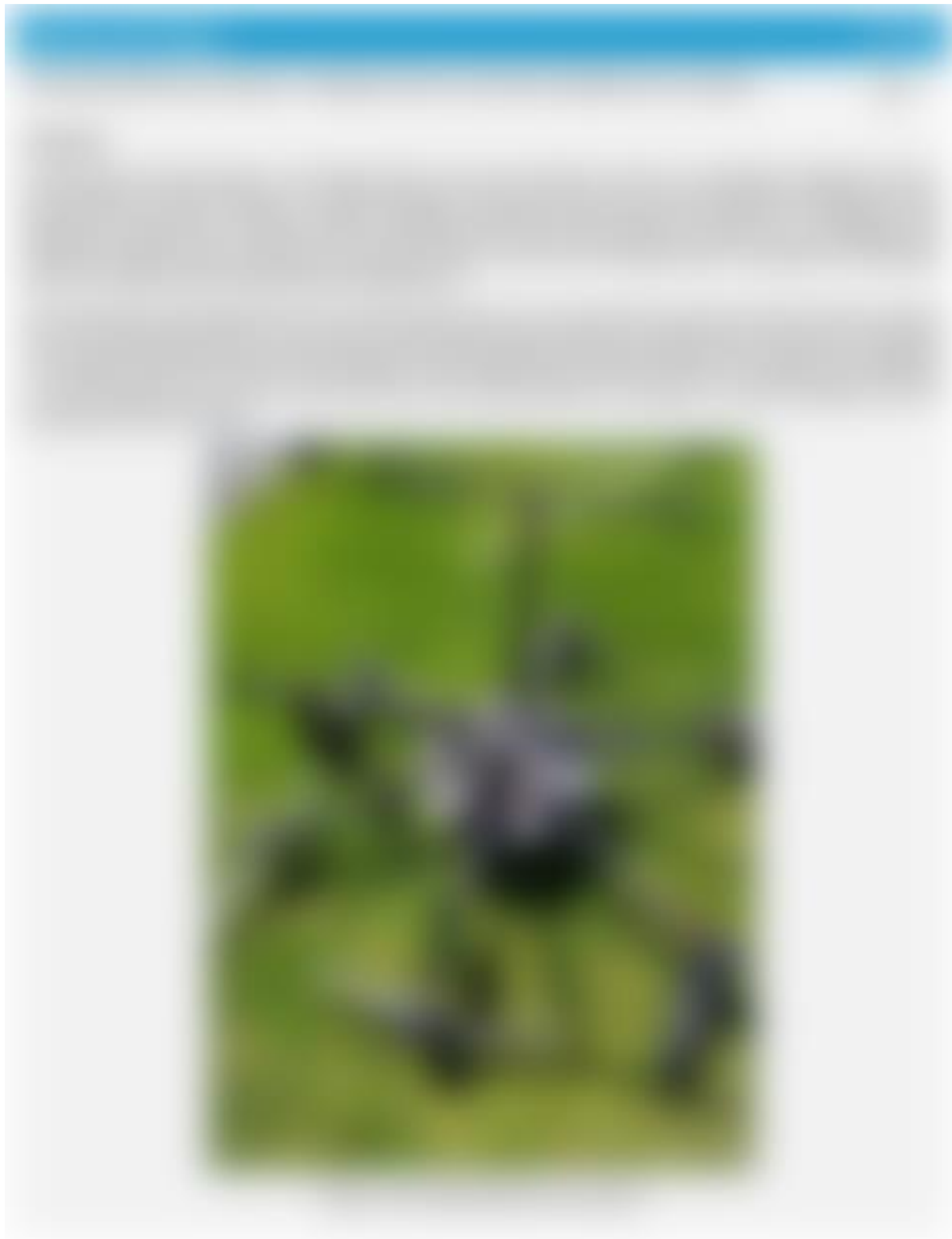


Figure 12: Can't see this? Contact us to sign up for Notify PRIVATE

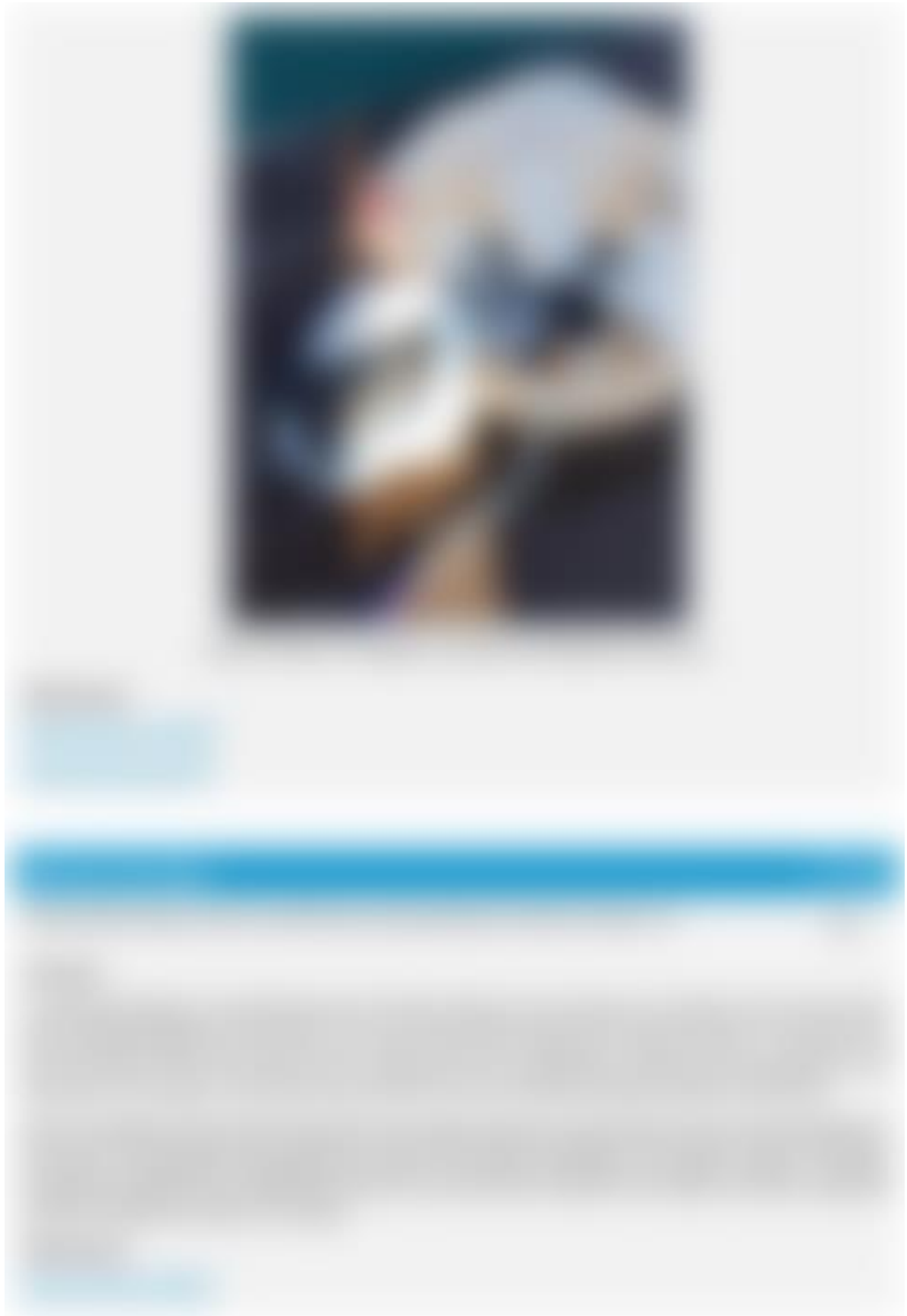


Figure 13: Can't see this? Contact us to sign up for Notify PRIVATE

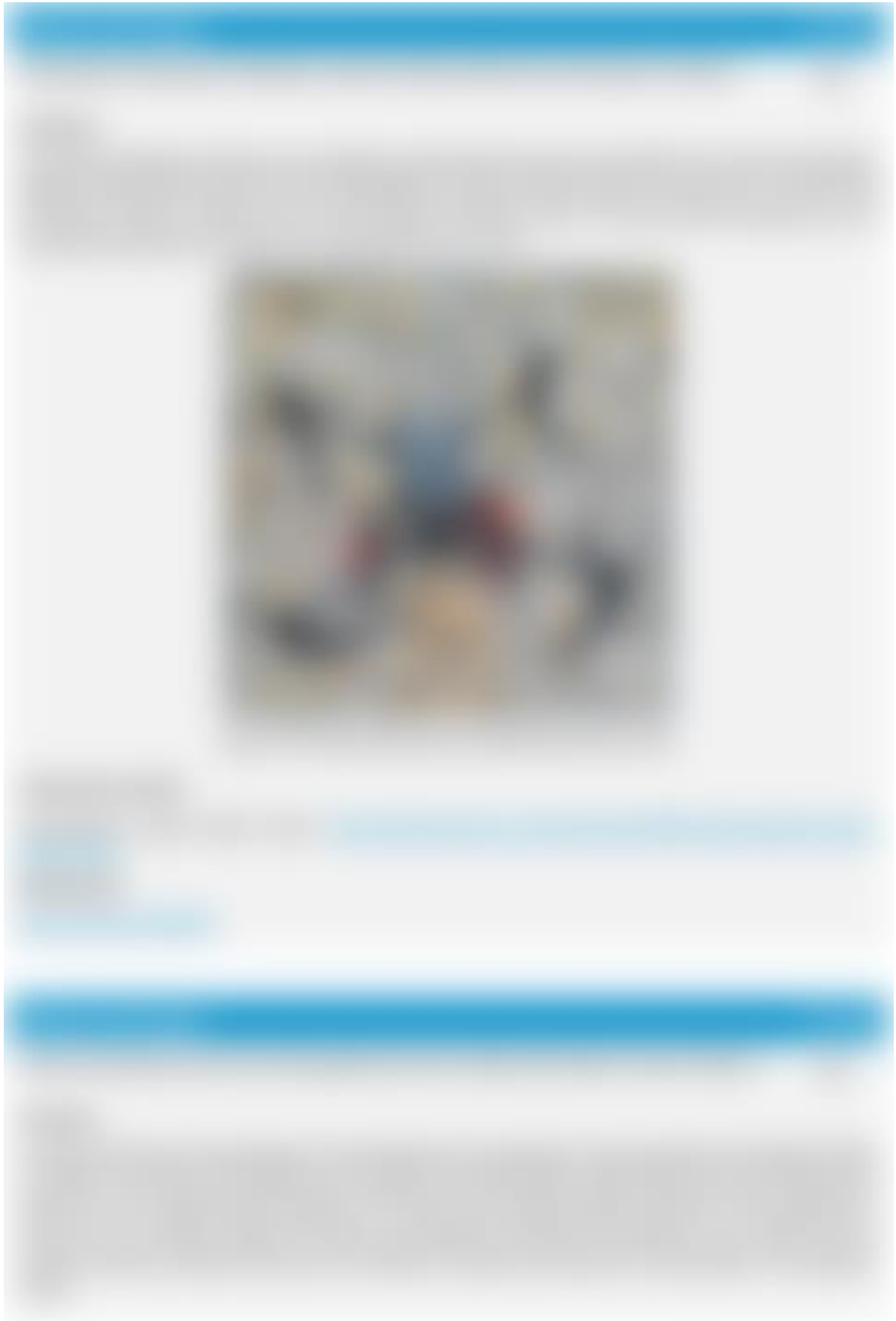


Figure 14: Can't see this? Contact us to sign up for Notify PRIVATE

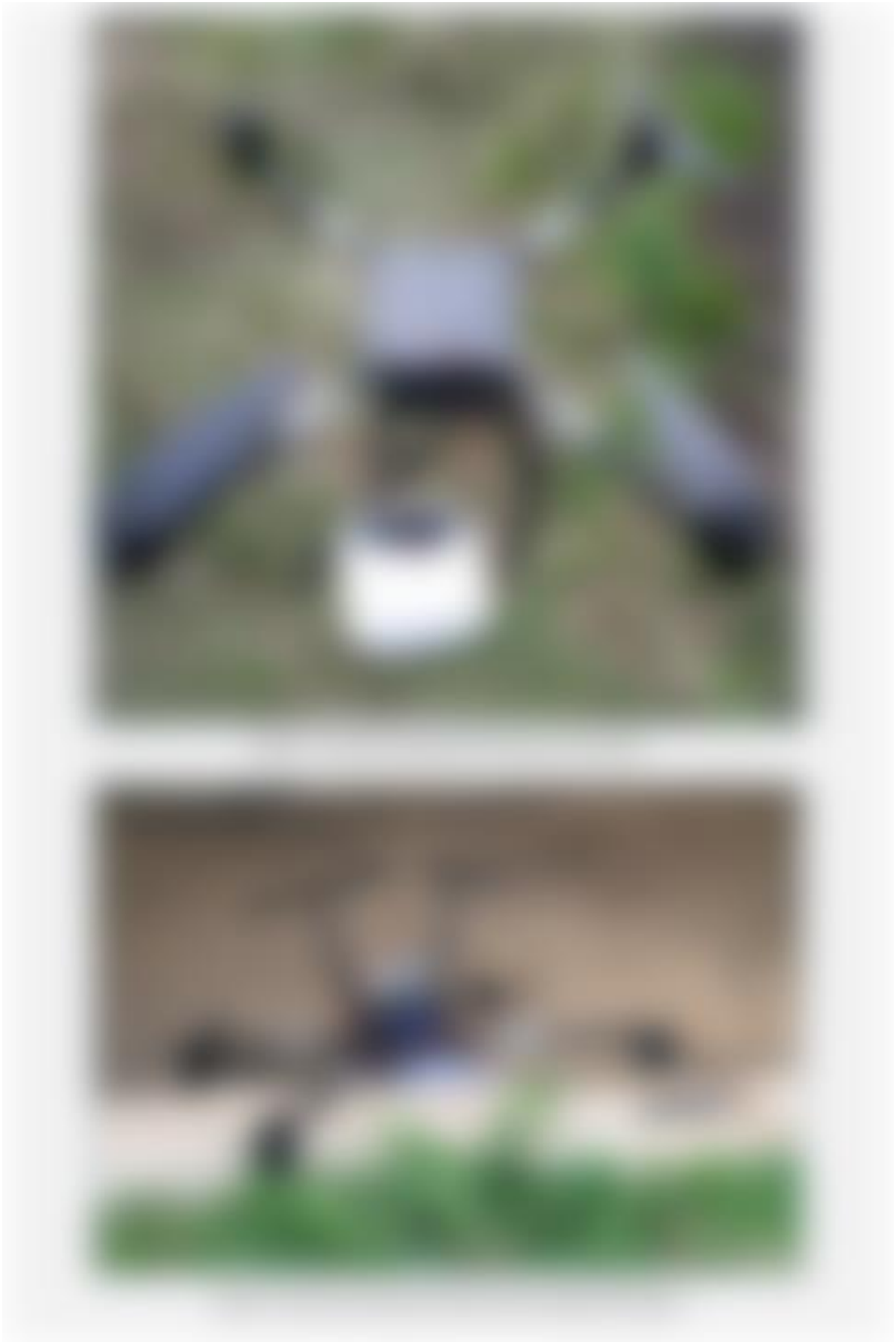


Figure 15: Can't see this? Contact us to sign up for Notify PRIVATE

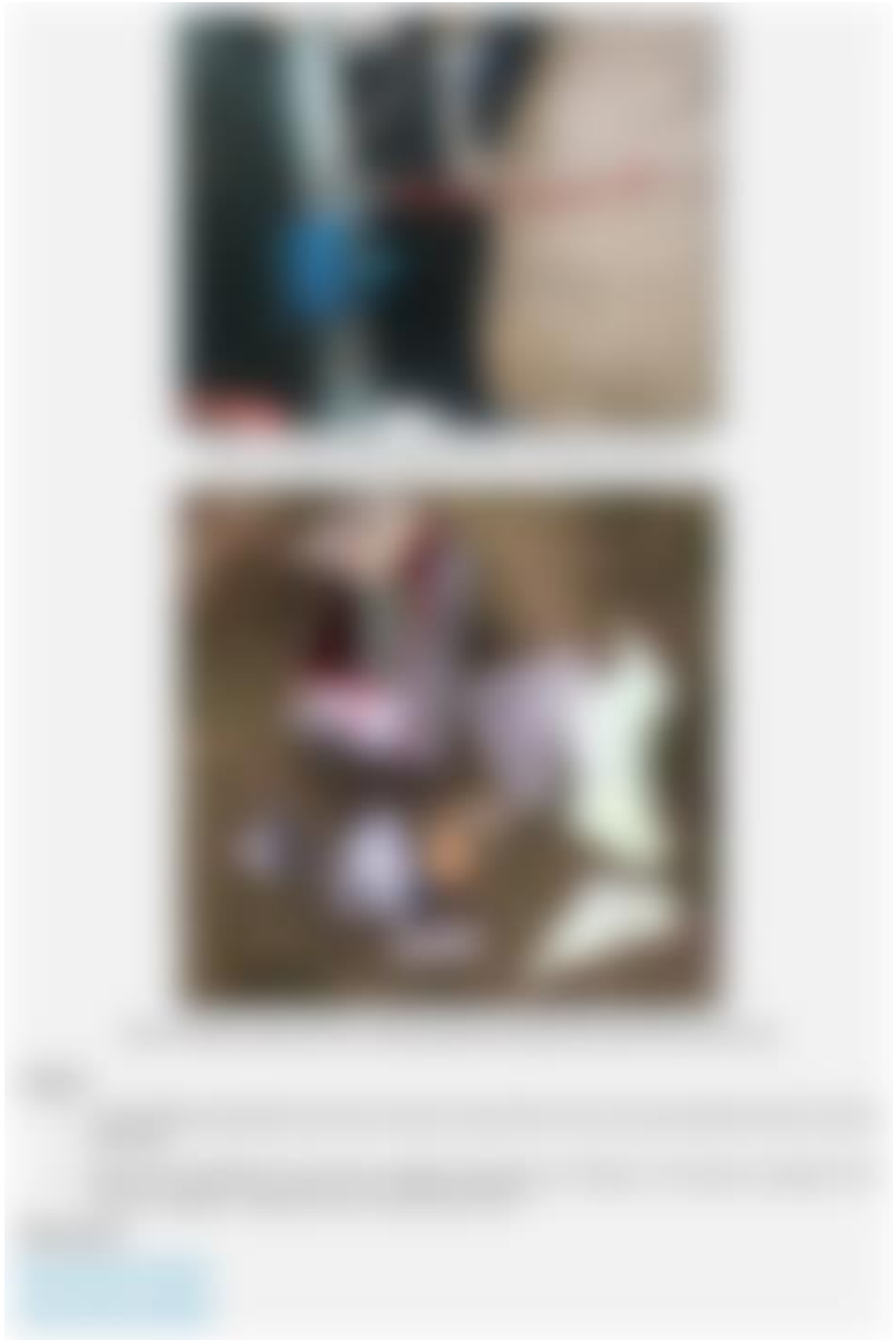


Figure 16: Can't see this? Contact us to sign up for Notify PRIVATE

1.3. CYBER AND DATA SECURITY (P3)

DJI AeroScope systems broadcast unencrypted information

<https://drones.ec/PIDXv>

<https://drones.ec/u4J1q>

1.4. NON-CONFLICT NEWS AND EVENTS (P3)

Drone operator arrested for flying near Rajiv Gandhi Airport, India

<https://drones.ec/PQ2Zw>

Drone light show cancelled due to several foreign high-speed drone collisions, Hamburg

<https://drones.ec/Hvcmg>

Aeroplane at 10,000ft reports drone sighting within 100ft Montreal Trudeau Airport, Canada

<https://drones.ec/JmoLu>

Manned aircraft reports drone sighting at 7,500ft, Ontario, Canada

<https://drones.ec/oRx1l>

Ecuadorian Navy IAI Searcher drone crashed into Pacific Ocean after drug trafficking operation

<https://drones.ec/oEW5l>

1.5. CONFLICT NEWS AND EVENTS (P3)

Russia reports Ukrainian Tu-143 drone filled with explosives used to target Kherson

<https://drones.ec/iUQbL>

Ukrainian-owned Bayraktar TB2 footage shows drone strikes against Russian positions

<https://drones.ec/mej4n>

Ukrainian Bayraktar TB2 drone destroys two Russian boats near Zmiinyi (Snake) Island

<https://drones.ec/5BaSj>

Russian KUB-BLA suicide drone shot down in Luhansk, Ukraine

Figure 17: Russian suicide drone KUB-BLA with the tail number of 02117022

<https://drones.ec/tiaqj>

Russian forces shoot down fully loaded Ukrainian Bayraktar TB2 drone

Figure 18: Ukrainian TB2 with the tail number of S51T shot down by Russian forces

<https://drones.ec/YMo2d>

Russian air defences shoot down Ukrainian TB2 drone over Belgorod



Figure 19: Ukrainian TB2 drone taken down by Russian Air Defences

<https://drones.ec/yni1w>

Ukraine 92nd Brigade releases video of drone dropping VOG-17 grenade into a Russian vehicle



Figure 20: Snippet from a video of a Ukrainian drone dropping modified grenade directly into the hatch of the vehicle

<https://drones.ec/S3BTr>

Ukrainian Aerorozvidka unit drops mortar on tank from drone

Figure 21: Thermal image of a mortar shell dropped onto a Russian tank

<https://drones.ec/W9YzX>

Ukrainian drone drops mortar onto Russian tank

Figure 22: Mortar dropped by a Ukrainian drone onto a Russian tank

<https://drones.ec/ZYcyC>

Ukrainian DJI Mavic 3 drops mortar payload onto Russian troops

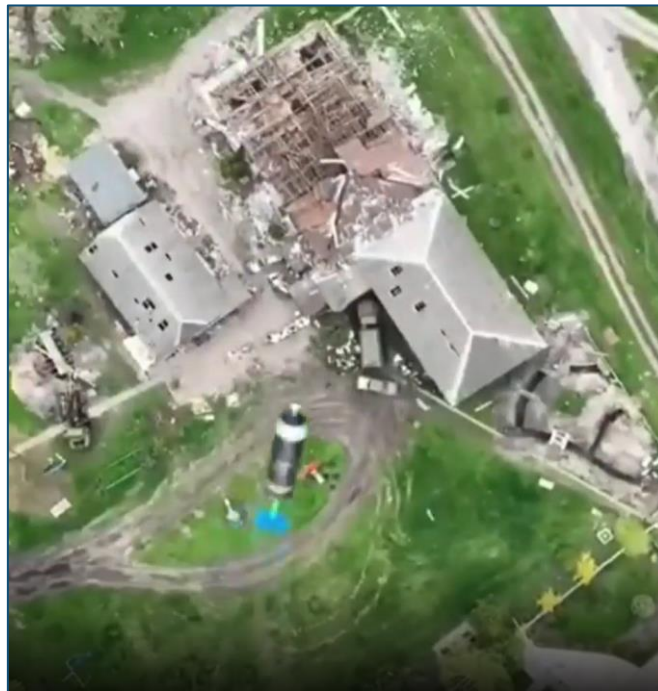


Figure 23: Ukrainian Mavic 3 dropping explosives onto Russian hideout

<https://drones.ec/TMYe3>

Ukrainian forces use DJI Mavic 3 to drop grenade in glass onto Russian forces



Figure 24: Instructions and use of DJI Mavic 3 drone to drop a glass with a grenade inside

<https://drones.ec/EcYL3>

Ukraine reports taking down Russian Tachyon and Zala drones

Figure 25: Russian Tachyon drone seized



Figure 26: Russian Zala 421-16E drone shot down and seized

<https://drones.ec/N6TPZ>

Ukraine reports loss of A1-CM Furia drone in Lyman

Figure 27: Ukrainian Athlon Avia A1-CM Furia drone shot down in Lyman

<https://drones.ec/f6BPD>

Possible Orlan-10 drone with different optical systems shot down by Ukrainian forces

Figure 28: Possible Orlan-10 drone shot down by Ukraine forces

<https://drones.ec/xDwwy>

Ukraine soldiers shot down a drone owned by the Russian Ministry of Emergency Situations

Figure 29: Orlan-10 drone supposedly owned by the Russian Ministry of Emergency Services

<https://drones.ec/lhNmu>

Russian Orlan-10 drone reported to have been shot down in Zaporizhia district, Ukraine

Figure 30: Orlan-10 drone (Tail Number: 12580) shot down in Zaporizhia

<https://drones.ec/C6MKY>

Russian Orlan-10 drone taken down by Ukrainian Infantry Brigade in Kherson

Figure 31: Orlan-10 drone (Tail Number: 12322) shot down and seized by Ukrainian forces

<https://drones.ec/iqGjS>

Ukrainian soldier reported to have taken down Russian Orlan-10 drone with electronic warfare

Figure 32: Orlan-10 drone (Tail Number: 12652) taken down via electronic warfare

<https://drones.ec/VJyRd>

Russia reports unsuccessful Ukrainian drone strike on seized Zaporizhzhia nuclear power plant



Figure 33: Two Ukrainian drone supposedly targeting Zaporizhzhia nuclear power plant

<https://drones.ec/cOK5r>

Drone belonging to Turkish state mercenaries crashed into Shewarqa village in Afrin, Syria



Figure 34: Turkish-owned custom-built drone found in Syria

<https://drones.ec/jZOe6>

1.6. SOCIALS (P4)

SHRC iCamera 2 drone found on the roof of a residential unit



Figure 35: SHRC iCamera 2 found by a resident

<https://drones.ec/xFfQw>

China uses drones during river rescue exercise to save drowning people, Chongqing



Figure 36: Drones with lifebuoys used during an exercise in China

<https://drones.ec/Hw9lZ>

Drone takes video of current state of Mariupol, Ukraine

<https://drones.ec/gtGeL>

Russia releases drone surveillance video of Ukrainian soldiers targeted by artillery fire

<https://drones.ec/8saF3>

1.7. WHITEPAPERS, PUBLICATIONS & REGULATIONS (P4)

Russia got caught faking a TB-2 drone shoot-down (Commentary)

<https://drones.ec/rKahj>

US Army considers adding Israeli-made Firefly suicide mini-drone to its arsenal (Commentary)

<https://drones.ec/3OsUY>

What Ukrainian aerial reconnaissance needs and how Ukrainian aircraft differ from Russia (Commentary)

<https://drones.ec/AYuWR>

Successful Drone Warriors of Ukraine (Commentary)

<https://drones.ec/kqTYR>

The US Has a New Plan to Help Tackle Criminals Using Drones (Commentary)

<https://drones.ec/Naww3>

GPS Spoofing Framework to Attack Civilian GPS Receivers on Drones (PDF Document)

<https://drones.ec/FjuBq>

1.8. COUNTER-DRONE SYSTEMS (P4)

India DRDO issues RFI for drones for Directed Energy Weapon (DEW) systems demonstration

<https://drones.ec/huVSU>

Thales and CS Group to provide CUAS system to France during Olympics and Rugby World Cup

<https://drones.ec/gQbl1>

Airspace over South by Southwest event secured by WhiteFox Stratus counter drone system

<https://drones.ec/W2xYi>

1.9. UTM SYSTEMS (P4)

Garuda Robotics and OneSky partner to provide UTM services in Malaysia

<https://drones.ec/WcWTP>

EASA publishes strategy to attain smart and sustainable drone ecosystem in Europe<https://drones.ec/4VdFS>

1.10. INFORMATIONAL (P5)

Australian DoD selects Schiebel S-100 Camcopter as maritime drone for Royal Australian Navy<https://drones.ec/xjn7g>**UK to send Malloy Aeronautics T150 drones to Ukraine to aid in conflict efforts against Russia**

Figure 37: Malloy T150 drones

<https://drones.ec/EiuCO>**100 units of Quantix Recon drone, unjammable and silent, to be donated to Ukraine**<https://drones.ec/8fgou>

1.11. DRONE TECHNOLOGY (P5)

Palestinian Islamic Jihad (PIJ) release video showcasing Jenin drone<https://drones.ec/HflcO>

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