

A SPECIAL  
INTEREST GROUP OF

A photograph of a grey quadcopter drone with red lights on its arms, flying in a cloudy sky. In the background, a tall, cylindrical tower is visible against a sunset or sunrise sky. The overall scene is a cityscape at dusk or dawn.

## **DRONE PLATFORM & COUNTER-DRONE**

Find out more:  
[adsgroup.org.uk/dpac](https://adsgroup.org.uk/dpac)

**The Drone Platform and Counter-Drone Group (DPAC) is a special interest group of the premier trade organisation, ADS, and we focus on the Defence and Security market.**

There are around 55 organisations represented in DPAC broadly representing providers of:

- Drone platforms
- Drone services
- Counter-drone capabilities

## **DPAC aims to:**

- **Inform and influence UK regulation:**  
to remove and find work arounds for current restrictions in the UK market.
- **Facilitate internal networking and opportunities:**  
to increase sales and BD opportunities for members.
- **Inform and influence Government requirements:**  
to help shape Government demand for counter-drone platforms.
- **Inform and influence drone standards and architectures:**  
to help members design platforms which are interoperable and fit for the future.
- **Help increase access to the export market:**  
to unblock restrictions and increase foreign market opportunities.

For further information and enquiries on engaging with DPAC members contact:

**E: [brian.hampson@adsgroup.org.uk](mailto:brian.hampson@adsgroup.org.uk)**

**T: 020 7091 7816**

**[adsgroup.org.uk/dpac](https://adsgroup.org.uk/dpac)**

## **Allen-Vanguard Ltd**

Bobby Strawbridge, Director, Business Development

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Allen-Vanguard has capitalized on its world leading Counter RCIED pedigree and developed a tailored capability that will deliver an assured protection zone that will deny access to commercial drones.

ANCILE™ was developed to deliver optimized RF inhibition waveforms that will disrupt the wide variety of command and control protocols, ensuring a robust and effective no-fly zone that can be applied to convoy protection, operational bases, and facilities alike.

## **Anduril Industries**

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Anduril Industries is a defence technology company bringing the latest in Artificial Intelligence and autonomy to national security. Anduril has developed autonomous target acquisition technology integrating radar, radio frequency and electro-optical/infrared detection to rapidly acquire UAS threats and provide human operators with the information required to defeat them using integrated kinetic or non-kinetic effectors. Our AI-enabled software, Lattice, fuses sensor systems and prioritizes for accuracy, enabling a robust and adaptable end-to-end solution.

## **Angoka Ltd**

Yuri Andersson/Cristina Jerney, CEO/Marketing and Communications Executive

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ANGOKA is an IoT security company focused on protecting M2M communications for Smart Cities and Mobility. With an increase of inherently insecure networks coming online with the boom of IoT, ANGOKA's solutions safeguard critical machine-to-machine communication integrity and data provenance, creating trusted connections, even in untrustworthy networks. Our patented technology secures communications between connected devices using an embedded hardware unit that provides ultra-secure authentication and encryption and is applicable to communications to and from drones.

## **Aveillant Ltd**

Dr Dominic Walker, CEO

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Website: [www.aveillant.com](http://www.aveillant.com)

Aveillant developed the Gamekeeper radar to detect, track and classify small Unmanned Air Systems in 3 dimensions to a range of 7.5km.

It continuously "floodlights" the entire field of view providing location and velocity of every object detected. Advanced algorithms use "micro-Doppler" target signatures to classify drones and filter out other targets.

Gamekeeper is installed at international airports including London Heathrow and Paris Charles de Gaulle and has also been fielded in coastal and urban environments in Monaco and Singapore.

## **Awerian**

Rob Cook, Consultant

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Awerian is an independent technology company where scientists and engineers collaborate to invent, design, and develop new products and technologies. Working across a wide spectrum of industries, we create breakthrough solutions that bring strong commercial value to clients and the benefits of technology to all. Our contributions have been wide-ranging, encompassing early-stage exploratory science and proof-of-concept demonstrators right through to providing obsolescence management for complete, production-ready designs for ground-based radar systems.

## **Blighter Surveillance Systems Ltd**

James Long, Chief Operating Officer

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Website: [www.blighter.com](http://www.blighter.com)

Blighter designs and manufactures world-beating 2D and 3D electronic-scanning ground-based radars. These radars can accurately detect drones, people, vehicles, and boats.

Blighter radars are key sensors in surveillance and counter-drone (C-UAS) applications all over the world and are currently used in 35+ countries. Our radars deliver 24/7 security protection along national borders, coastlines and at military bases.

Our radars also protect critical national infrastructure (CNI) sites, including airports, power plants and oil and gas facilities.

## **Bluematch Global Ltd**

Simon Foreman, Director

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BlueMATCH Global brings knowledge and expertise to the growing world of technology innovation and implementation. We have over 20 years' experience in complicated technology-based solutions in both commercial and government sectors.

Our team has worked extensively in the drone and counter-drone sectors. This includes service-based offerings, single system solutions focused on critical problems, and multi-system capability.

We will operate in your business style or, if preferable, under an independent BlueMATCH Global Ltd banner.

## **Boeing Defence UK Ltd**

Website: [www.boeing.co.uk](http://www.boeing.co.uk)

## **Candy Group**

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Website: [www.candygroupglobal.com](http://www.candygroupglobal.com)

Candy Group has been offering advisory support to OEMs, Governments, Prime Contractors and commercial users on UAV and C-UAV solutions for over a decade. We operate globally, with manufacturers and strategic partners to provide turnkey solutions (using a range of modern platforms, sensors, and technology) bespoke to client's requirements.

## **CDS Defence & Security**

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CDS-DS have led international safety, airworthiness and certification teams on UAVs, helicopters, large aircraft, and fast jet projects (Military & Civil).

Knowledge of systems engineering, within support engineering arena, to design and develop performance-based support solutions and integrated product support, covering UK, US, French and European helicopter platforms including air-launched weapons systems.

Experience of Design Organisation and Maintenance Organisation audits on behalf of the UK Government, led projects to enable large companies to obtain Part-21, Part-145 and Part-M certification.

Our team is conversant with all applicable standards including, but not limited to, EASA Part 21G/J, Part 145, Part M, CS E, CS23, CS25, CS27, CS29, Def Stan 00-970, Mil Hdbk 516 and STANAG 4671 (UAV Airworthiness).

## **Chess Dynamics Ltd**

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Chess provides surveillance systems to detect, track, locate and identify threats over extended ranges. Our innovative systems can be fixed, static or mobile and are perfectly suited to protect our customers' most critical assets. Our products are rugged to provide maximum availability and to withstand the harshest environments. We take advantage of the latest advances in technology to provide solutions which are modular, scalable and provide persistent surveillance and total protection with lower operating costs.

## **Collins Aerospace**

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Drawing upon our avionics expertise, we bring enhanced situational awareness, surveillance, navigation, and communications to unmanned systems in some of the world's toughest environments. Our systems assist where mission demands prohibit manned aircraft. From advanced flight control, navigation, communication, and sensors to fully integrated open architecture systems and a worldwide support network, our rugged, flexible solutions provide a low cost of ownership and enable mission success.



## **Cranfield Defence & Security**

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With an unrivalled reputation for defence education, research and consultancy, Cranfield Defence & Security's expertise is trusted by governments, armed forces, industry, and security services around the world.

Cranfield University has just taken delivery of its new £65 million Digital Aviation Research and Technology Centre (DARTeC), built to spearhead the UK's research into digital aviation technology. Integrating drones into civilian airspace is top of the list of the university's list of research areas for DARTeC.

Cranfield's own global research airport provides Companies with the platform to demonstrate some of the innovative ideas which might be applied to solve real-life challenges, recently teaming with BAE Systems to host a competition for offence and defence using unmanned air vehicles (UAVs).

## **CRFS Ltd**

Jon Bradley, VP Sales

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RFeye is a proven and deployed technology for the detection and identification of drones utilised in many commercial counter drone systems. RF delivers geolocation of both drone and operator for immediate observation or prosecution. RF delivers early detection outside line of sight. RFeye can be used to target counter measures and pinpoint jamming frequencies. Key geolocation methodologies:

- Angle of Arrival (AOA) - RFeye Array
- Time Difference of Arrival (TDOA & 3D TDOA) – RFeye Node

## **DRAKON Group Ltd**

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DRAKON Group is a British based international company specialising in the field of Bomb Disposal, Defence and Counter-Terror Services. Formed in 2016, we have expertise in all facets of Counter-Terrorism including: the incorporation of drones into Threat Mitigation and the use of counter-drone methods which we incorporate into our training and consultancy.

## **Drone Evolution Ltd**

Toby Townrow, Communications Director

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Drone Evolution makes people safer and organisations better by providing drone services and products. Our product range focuses on tethered drones that can stay in the air for 6 hours currently, but we will shortly be extending that to weeks. This has benefits for security, construction, emergency service response and much more. Our services are aimed at facilities management, construction, utilities, transport, and engineering.

## **Drumgrange Ltd**

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Drumgrange provides consultancy, design, development, manufacture and integration services for rugged, deployable Information Systems for the Land and Maritime domains. These include the integration of C4ISR systems, secure communications, GPS and Iridium navigation/tracking for surface craft and vehicles.

Drumgrange is an official Milestone VMS UK distributor. We are certified in the design, installation, and configuration of the full range of Milestone products, allowing Drumgrange to deliver, design and integrate solutions using on-prem or cloud.

## **Eagle Eye Innovations Ltd**

Sion Roberts, Managing Director

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Eagle Eye Innovations are a team of UAV instructors and operators who specialise in training, support to operations, contracted turnkey ISR solutions, and consultancy services ranging from Sub-25 Kg Unmanned Aircraft Systems to Medium Altitude Long Endurance (MALE) Remotely Piloted Aircraft Systems (RPAS). EEI can provide you with the tools needed to operate UAS effectively and safely within a range of constrained environments. Our aircrew are the most experienced UAS operators available in Industry.

## **Eclipse Digital Solutions Ltd**

Daren Wood, Business Development Manager

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Eclipse Digital Solutions Ltd is a supplier and installer of drone detection and mitigation systems. Having installed the first fully integrated drone detection and mitigation system into a European prison which has eliminated all drone incursions into its site.

We work with our clients to understand their requirements and only then do we provide and install the correct technology to meet the environmental and site's specific needs.

## **Enterprise Control Systems Ltd**


Paul Taylor, Director, Business Development

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Designer, manufacturer, and supplier of specialist C-UAS Defeat capability utilising custom designed RF Inhibition techniques.

- Supplier of the Defeat capability of  the Anti UAV Defence System. A TRL 9 capability deployed continuously on operations from 2016.
- Rapid development, testing and roll-out of custom C-UAS countermeasures in reaction to threat changes.
- Specialist 32m EMC test chamber facility enabling full investigation and testing of RF countermeasures in a controlled environment against flown UAS.

## **ERCAS BV**

Daniel Anbary, Managing Director  
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Website: [www.rafael.co.il](http://www.rafael.co.il)

Rafael Advanced Defense Systems Ltd. are the developer and supplier of Drone Dome – Counter UAS System to the UKMOD and other customers around the world.

Drone Dome and Drone Dome-L are integrated systems for Detection, Classification, Identification and Neutralisation of drones.

Aeronautics Systems Ltd. are the developer and supplier of Orbiter 3 - Small Tactical UAS (STUAS).

ERCAS BV is a fully owned subsidiary of Rafael.

Aeronautics is a subsidiary of Rafael.

## **Evolve Dynamics**

Website: [www.evolvedynamics.com](http://www.evolvedynamics.com)

## **Extreme Cases Limited**

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Website: [www.extreme-cases.com](http://www.extreme-cases.com)

Extreme supply integral solutions to Drone platforms through innovative packaging solutions utilising soft tooling and a hybrid of materials. This is achieved with intelligent packaging allowing the end user to utilize their equipment within our packaging solution. This allows for COTS equipment to be ruggedized and become an integral part of the system.

## **FlareBright Ltd**

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FlareBright's SnapShot is an autonomous, image-capture nano-drone weighing 70 grams that works in most weather or wind conditions and in electromagnetically-denied areas (and gives off no emissions of any nature itself). In effect, a silent, high-tech boomerang glider that quickly and immediately captures images from 100m in the air. The system is rugged and simple - a quick shot in the direction you want to see and 10 seconds later the drone finds you and delivers 10 seconds of video and images from the vantage point of high up in the sky. To capture a different or adjacent area, simply fire the same drone again. This system is priced at a fraction of the price of competitors in the nano-drone space (which also means it is feasible to create swarms).

Our expertise and unique capability is the software that controls this autonomous glide path, as well as the electronics miniaturisation needed to create our nano-system.

## **Frazer-Nash Consultancy**

Nick Lakey, Business Manager

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We understand, enable, and exploit future UAS capability for our customers across the civil, parapublic and defence sectors. Our work sees us applying a systems engineering approach to the full lifecycle (TRL 1-9), including:

- Requirements capture and development
- CONOPS/CONEMP development
- Concept development and detailed design
- Command and control architecture development
- Modelling and Simulation
- Prototype manufacture, testing, assessment, and demonstration
- Safety, Airworthiness, and certification strategy development
- Costs engineering

## **GE Aviation Ltd**

Website: [www.geaviation.com](http://www.geaviation.com)

## **Gibson Robotics**

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Gibson Robotics is developing Red Kite, a fixed wing C-UAS platform capable of hunting down and capturing an aerial threat autonomously through advanced and high-resolution camera and radar techniques. Our expertise is primarily in developing autonomous (Human-on-the-loop) UAS platforms and our background is in defence, security, and SAR technologies.

## **Kirintec Ltd**

James Baker, Sales Director  
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Kirintec specialises in the design of innovative Counter-UAS, Electronic Warfare and Counter-IED technology. We actively monitor evolving global threats and use our experience to deliver battle proven capabilities across the world.

Our Sky Net C-UAS system is a TRL-9 system, backed by 24/7 support, installation, and training from our Electronic Warfare experts. Find out more at [www.kirintec.com](http://www.kirintec.com)

## **L3-Harris**

Website: <https://www.l3harris.com>

Drone Guardian is L3's complete C-UAS solution for defence and security customers. Based around our mature C2 data fusion software, coupled with proven sensors, Drone Guardian detects, tracks, and identifies drones, to provide commanders with actionable intelligence. The centralised C2 can be hosted on existing infrastructure, with distributed sensors optimised to meet the unique requirements of each deployment. L3's proven jamming technology ensures that all drone threats can be mitigated by the Drone Guardian system.

## **Leonardo**

Matt Brown, Capability Manager

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Leonardo is a global technology leader in the Defence, Aerospace and Security market areas.

We are a manufacturer both of manned and unmanned, fixed and rotary wing aircraft and component systems and of a wide range of advanced force protection, surveillance, target acquisition and strike capabilities, fielded across the UK, US, NATO and aligned markets.

Leonardo has led in the design and delivery of cost-effective, fully-integrated solutions to meet the growing counter-UAS challenge.

## **LiveLink Aerospace**

Aleksander Kowalski, Business Development Director

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Detector: Low power, portable, mesh radar with electronic conspicuity verification.

Central C3 secure system. Includes a two-way real-time app & 3D holographic display for real-time situational awareness by all users. Multiple inputs and outputs – do not have to be LiveLink products.

Effector capability of multiple attempts against multiple drones (Inc. Fixed-Wing) via an AI driven intercept protocol: capable of 'no fly' or 'no-intercept' intelligence in concept and execution. New effectors being developed for other purposes

## **Lockheed Martin UK**

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LMUK is an incumbent provider to the British Army through the Land Environment Air Picture Provision (LEAPP) and Air Sense & Warn (AS&W) capabilities. As a follow-on development, LMUK is developing SkyKeeper, a universal BMC4I capability that is agnostic to sensors and effectors; it therefore has potential utility in the C-UAS landscape.

## **Marlborough Communications Ltd**

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Our Skyranger SUAS systems are developed for the most demanding UAS operators within the Defence and Security domain. The SkyRanger R70 establishes a new benchmark for small UAS performance and reliability based on expanded carrying capacity, open architecture, and advanced autonomy and artificial intelligence. Our multi-mission payloads provide ISR and payload delivery capabilities previously limited to much larger UAS. Optical sensors include the HDZoom 30 providing eyes-on-target at distances up to 5 km and the EO/IR Mk-II for high-fidelity daylight and thermal imagery streamed securely anywhere in the world. With the Osprey, R70 operators can rapidly attach, carry, and deliver nearly any object up to 2 kg for forward resupply, asset extraction or other specialised missions.

## **maxon UK & Ireland Ltd**

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Maxon is a manufacturer of power dense brushed and brushless DC motors used in some of the most challenging environments on earth and beyond. With an established track record in aerospace, that knowledge has been used in the recent development of drone propulsion motors and electronic speed controllers. The range has products providing thrust from 800g to over 10kg and higher planned for the future.

## **Meadow3 Ltd**

Steve Wensley, Director

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Meadow3 are specialist in helping organisations capture and win business with a significant technical expertise and a background that includes many of the UK's flagship military and security programmes. We have a considerable interest in the developing economy around the use of drones in the UK and are helping organisations refine their strategy to address both the positive effects drones will provide the UK economy, and in countering their rogue and illegal use.



## **METIS Aerospace Ltd**

Tony Burnell, CEO

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METIS Aerospace Ltd provide products and services for the Aviation, Defence and Security industry. Specialist products and services include Signals Intelligence capabilities that include high fidelity drone detection, identification and tracking using the METIS SKYPERION product. SKYPERION is a meshed network system with a minimal SWaP with open architecture for integration with other sensor/systems. Identification of signal parameters allow output to programmable jamming systems allow a targeted mitigation.

## **Moog Sensors and Surveillance Systems (MoogS3)**

Richard Allen-Miles, International Business Development

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Utilising the motion control expertise of Moog we specialise in High Performance Positioners, Electro Optical/Infrared cameras, and Tracking Systems optimised for Counter-UAS missions.

We have been a provider of Counter-UAS As-A-Service for several Special Event Assessment Rated activities and are the current C-UAS AAS provider for NASA Kennedy Space Centre. We are a provider to the Federal Bureau of Investigations.

Our team of engineers specialise in integration of disparate systems into a Common Operating Picture.

## **Nexus Nine Ltd**

Lee Mansell, CEO

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We provide the following to Government, OEMs, and users:

Test & Evaluation of:

- CUAS sensors / integrated systems
- UAVs / GCS
- 'Sandbox' trials of sensors / systems

Specialist consultancy:

- UAS Threat / Vulnerability assessments
- Operational Requirements
- Procurement support
- Deployment / CONOPS of UAS/CUAS systems

Drone Operations / Training:

- 'Zero' hours to advanced BVLOS
- Specialist operator training (e.g. emergency services)
- Specialist drone flying services:
  - BVLOS (surveys, surveillance)

Complex flying (proximity to structures / persons)

## **Operational Solutions Ltd**

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OSL offers the following Counter Drone services:

- Threat assessment
- Operator Training
- Sensor supply (radar, RF, EO/IR, acoustic)
- System Integration
- Proprietary command and control / cross-spectrum fusion system
- Installation
- System / sub-system test and evaluation

## **Overview Ltd**

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Overview designs and manufactures world class pan and tilt motion platforms based on its range of intelligent brushless DC motor technology, iBLDC.

These components and subsystems can be used either onboard a UAV to drive a payload or as part of a radar-based counter UAV product suite. Overview has several partners producing and marketing such solutions today.

## **PDA Electronics Ltd**

Andy Loakes. MD

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PDA design and market a complete anti-drone protection/ detection product range from small handheld devices to major installations for protection of large areas. Repulse products are classified and can only be sold to overseas countries subject to MOD approval.

## **Peli Hardigg UK Ltd**

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The World's largest manufacturer of military and aerospace approved reusable, recyclable, plastic shipping, and storage containers. We have proudly developed custom solutions for the transport and packaging needs of the military for 50 years. Our innovative products enable sensitive equipment to travel through hostile environments and arrive operational. Tested in combat situations. Customers include some of the largest companies in the world. Our Ashford UK based engineering, design and manufacturing team are the leaders in the field, delivering large-scale container projects for the most demanding applications.

## **Plextek Services Ltd**

Peter Doig, Head of Defence

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Plextek solves **your business'** hardest technology challenges in sensing, data collection and communications. Our people provide **client solutions** that simply could not be sourced from elsewhere to give **you** the market edge.

A **leading developer** of advanced concepts and technologies for small drones which are ready for exploitation:

- conformal antennas;
- mm-wave micro-radar;
- fractionated electronic support measures (ESM); and
- a common RF ecosystem covering communications, electronic attack, ESM, and radar based on software defined radio architecture.

## **Primetake Ltd**

Brian Jeffrey, Head of Sales and Marketing

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Website: [www.primetake.com](http://www.primetake.com)

Primetake produce an innovative 12G shotgun fired anti-drone round giving the user a solution that is both low cost and easily deployed. The round comprises five projectiles held together with high tensile cord which expands to 1.5m wide within 10m of firing from the weapon. The effective engagement distance is up to 100m and it is safe for use in populated areas if fired at a minimum 20 angle from the horizontal.

## **QinetiQ PLC**

Dave Anstey, Business Development Lead – C-UAS / EW

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Website: <http://www.qinetiq.com/what-we-do/c4isr/counter-drone-systems>

QinetiQ is an integrated global defence and security company, operating at the leading edge of science and engineering. Driven by innovation and trusted by governments worldwide to deliver industry leading surveillance, communications, radar and the Obsidian Counter-Drone system.

Obsidian delivers highly reliable, future-proof, micro-Doppler radar based, drone detection, with accurate, real-time, 3D location and tracking for multiple drone engagement and an open API to facilitate rapid integration into existing surveillance systems and environment specific sensors.

## **Radnor Range Ltd**

Tim Vaughan, Business Development Director

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Radnor Range provides a discreet and secure safe space for the Test & Evaluation (T&E) of drones and Unmanned Air Systems (UAS). We are available for a variety of drone and counter-drone activities, for example jamming, counter-measures, tracking, active and passive sensors, flying, detection, cameras, weaponisation, flying training, search, EOD/IED and customer demos. The flying environment at Radnor would support single or multiple drones to test teaming and swarming systems.

## **Saab**

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Within its global Defence portfolio, Saab's Surveillance Business Area designs, manufactures and integrates cutting-edge sensor systems. In particular, Saab's ELSS (Enhanced Low, Slow and Small) software, deployed on any of the Saab Giraffe family of radars, offers high accuracy, long range, low false alarm detection and classification of drones in high-clutter environments. Integrated end-to-end C-UAS systems can be tailored to customer requirements in collaboration with other Saab Business Areas or industry partners.

## **SteelRock Technologies Ltd**

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SteelRock Technologies designs, develops, manufactures, and assembles next-generation counter-UAV and UAV systems for government, military, and commercial end-users.

SRT's advanced counter-UAV systems provide a next-generation capability to address the critical threat posed by the intrusive, nuisance and deadly use of commercial UAVs.

SRT's UAV systems are designed to deliver significant cost-savings in the supply of unmanned aerial systems capable of undertaking the roles currently being filled by manned helicopter, planes, and large fixed-wing UAV platforms.

## **Stellar Advanced Concepts Ltd**

Michael Newsam, Managing Director

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Specialist in Shape Adaptive structures & mechanisms R&D for Aerospace and Defence. Active collaborations with the University of Bristol, City, The University of London, TU Delft and RWTH Aachen Institute of Textile Technology: Including bio-inspired morphing, leading/trailing edge elements, targeting UXV performance enhancements (E.G.: Maneuverability/Drag/Noise/Stowage).

Collaboration and offsetting offerings with Netherlands via affiliate company Stellar Space Industries B.V. (E.G.: Contacts at NLR, RNLAf Air Innovation Centre, TNO, Airbus DS NL, Marshall Aerospace NL, ESA ESTEC).

## **TEKEVER Ltd**

Mark Baxter, Business Development

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TEKEVER offer customisable end-to-end solutions using our existing products or conducting design and build projects for new systems, delivering mission critical data where and when it's needed. TEKEVER are also able to supply the necessary personnel to support a variety of land based and maritime missions. TEKEVER have a track record of providing UAS based fully managed surveillance services and winning ground-breaking research projects.

Offerings:

- AR4 UAS
- AR3 UAS
- AR5 UAS
- Design/Build services
- Research Expertise

## **Teledyne**

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Website: [www.teledynedefence.co.uk](http://www.teledynedefence.co.uk)

## **Tethered Drone Systems Ltd**

Jim Gibson, Managing Director

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Website: [www.tethereddronesystems.co.uk](http://www.tethereddronesystems.co.uk)

TDS have created a Tethered UAS, the only one fully designed, developed, and manufactured in the UK with its capabilities, with extended flight duration of 24+ hours and secure communication via the tether. The platform can carry a range of interchangeable payloads to meet all client needs, including C-UAS technologies. Multi use for broadcasters - especially outdoor sporting events, plus blue light services including SAR, with autonomous flight this system will revolutionize TUAS deployment.

## **Thales UK**

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## **tImNexus**

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tImNexus provides systems and services for platform/fleet through-life support management. Our embedded personnel and web-based tools align people, processes, and information to bring better value for money, work-flow efficiency, and watertight compliance.

We support drone operators maintain compliance to regulatory frameworks by creating and updating structured documents and associated evidences to meet CAA and MAA regulations.

We mitigate risk and ensure compliance by maintaining platform information, associated evidences, and decisions with an auditable record.

## **University of St Andrews**

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The Millimetre Wave Group in the School of Physics & Astronomy at the University of St Andrews has been undertaking research into the use of millimetre wave radar for the detection and classification of drones for several years. Millimetre wave radar is advantageous for drone detection as it offers the potential for low-cost, compact sensors suitable for relatively short-range (sub-km) applications. Recently we have developed and begun trialing a TRL 4/5 prototype drone detection radar with 360-degree azimuth coverage which incorporates real-time drone classification algorithms.



## **VIZGARD**

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**VIZGARD** is a multi-award-winning SME building a safer future by automating time-critical Security and Defence optical systems that traditionally require repetitive or prolonged monitoring.

Optimised for ultimate on-the-edge performance, their autonomy-enabling AI engine, FortifAI, provides long-range visual intelligence, external sensor fusion and low-latency platform control for reducing false alarms and operator burden.

For increased situational awareness, several state-of-art computer vision capabilities are combined into this easily integrated, platform-agnostic software application for ground and air-based counter-UAS solutions.

