Counter Drone Technology

We protect soldiers, missions and critical infrastructure

MYDEFENCE
Counter Drone Technology

We protect lives, society and critical infrastructure with tomorrow's solutions against unauthorized drones.

Our collaboration with the MyDefence team has proven that teamwork leads to outstanding results in defence technology. In a highly technological field like ours, it's clear that people are the real driving force.

The dedication of the MyDefence team, their expertise, and their ability to collaborate made all the difference.

Constantin Pintilie
CEO, BlueSpace Technology

Defending Tomorrow, Today

At MyDefence, we specialise in advanced radio-frequency (RF) technology to counter the evolving threats posed by unmanned aerial systems (UAS).

Our RF expertise forms the backbone of all our solutions, ensuring early detection and effective jamming of drones across diverse environments.

We engineer some of the world's most compact and lightweight wearable counter-UAS solutions, specifically designed for end-users like military personnel and security teams where size, weight, deployment speed, and ease of use are critical.

From lightweight wearable systems to mobile vehicle-mounted units and scalable fixed-site solutions, MyDefence provides seamless, real-time protection without compromising maneuverability.

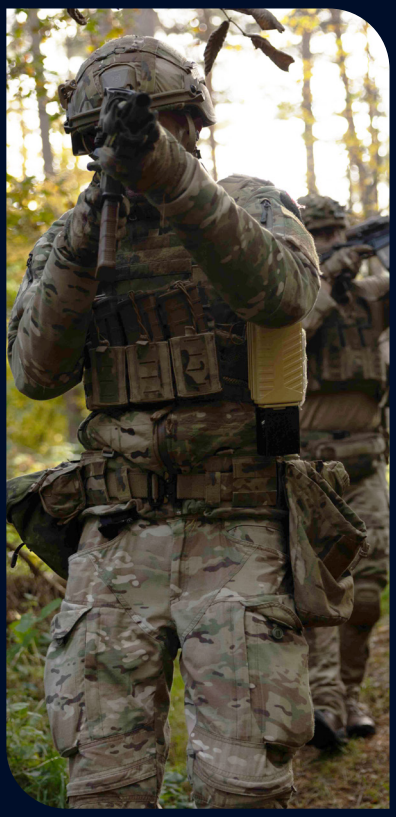
We are trusted by the US Army, Australian Armed Forces, NATO, and security forces world-wide to deliver mission-tailored systems that protect those who risk their lives on the frontline.

Our solutions are informed by real-world experience and continuously improved for maximum effectiveness.

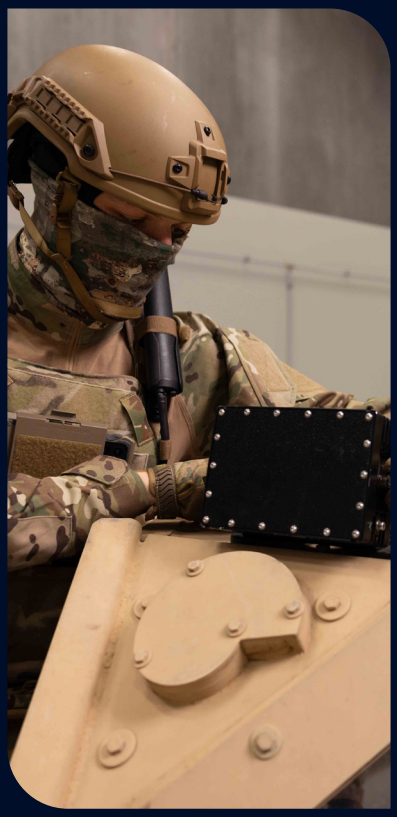
Our global presence ensures rapid support and delivery, while field feedback drives ongoing upgrades to stay ahead of emerging threats.

Contact us today at **sales@mydefence.com** to explore tailored RF-based solutions and secure your mission.

Protection for Every Need

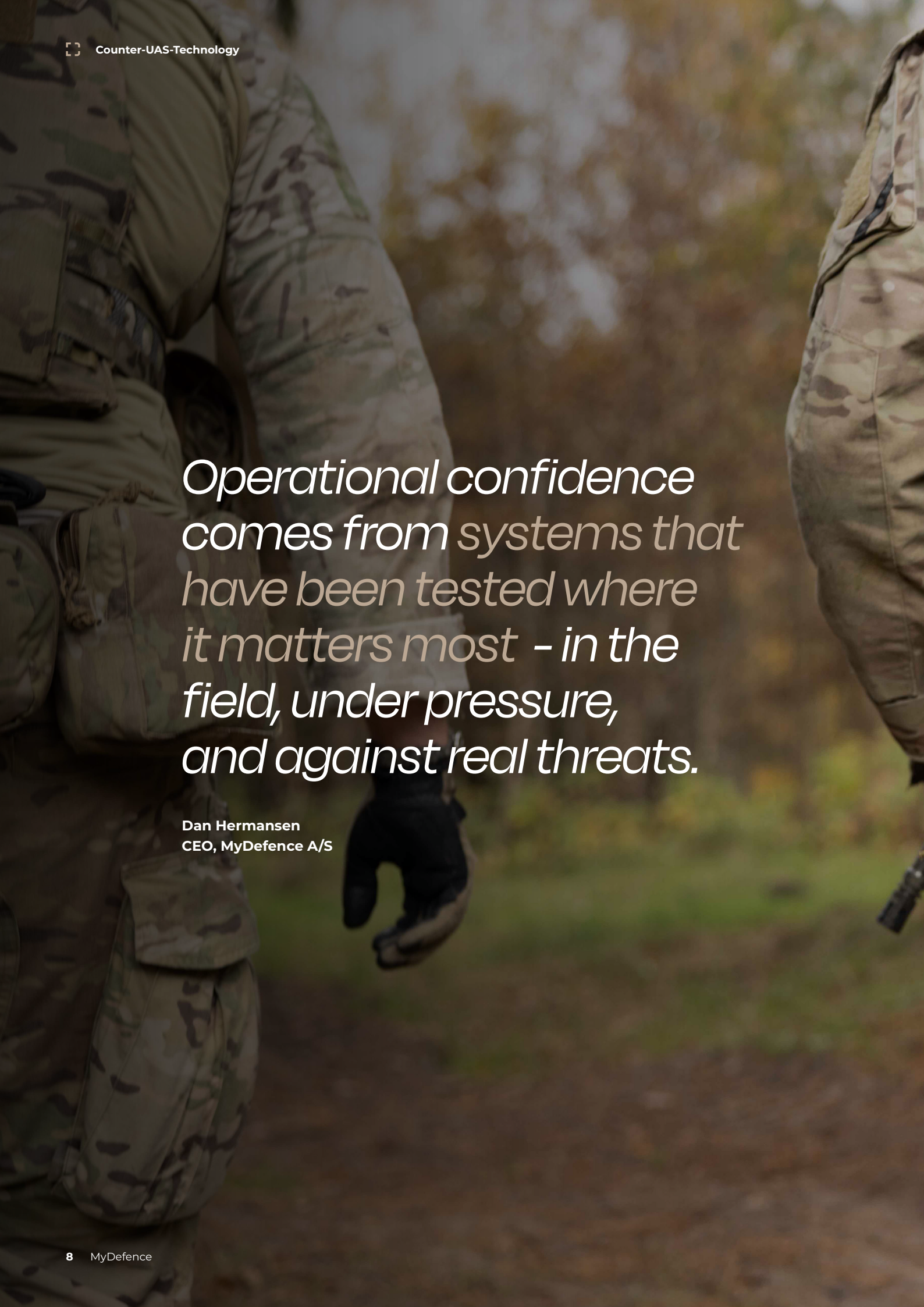


Wearables
Wearable and individual-operated solutions



On-the-Move
Deployed on vehicles and vessels for dynamic defence

Perimeter
Fixed-site protection for strategic areas



Operational confidence comes from systems that have been tested where it matters most – in the field, under pressure, and against real threats.

Dan Hermansen
CEO, MyDefence A/S

MyDefence Drone Detection Capabilities

MyDefence delivers advanced drone detection solutions, capable of identifying a full range of threats - from FPV drones, ISR (Intelligence, Surveillance, and Reconnaissance) platforms, and espionage drones to commercial UAVs flown by unaware operators.

Our systems address both deliberate and accidental incursions, providing reliable situational awareness and effective protection in any environment.

By combining RF sensing with signal intelligence, we enable early warning and precise classification of drone activity - empowering fast, informed responses to evolving threats.

To stay ahead of hostile drone tactics, MyDefence also operates a dedicated Drone Library, where we study various UAVs to build deep insight into their systems and behaviours.

This intelligence sharpens our detection capabilities and ensures we stay at the forefront of counter-drone innovation.

With scalable solutions for civilian and military use - from critical infrastructure protection to high-risk operations - MyDefence secures airspace wherever threats emerge.

FPV DRONES

First-person view drones are small, lightweight (often under 1 kg) platforms with low-latency video (under 40 milliseconds) for manual control, used in racing, precision flying, and cinematic action shots.

They are also used for inspection, surveillance, and tactical tasks where agility and direct control are essential in confined spaces, often carrying cameras, sensors, or small payloads for specialised roles.

ISR DRONES

Intelligence, Surveillance, and Reconnaissance (ISR) drones are typically fixed-wing or hybrid UAVs with EO/IR sensors, radar, or LiDAR.

They offer long endurance, operate by loitering over areas of interest or flying pre-planned routes, and conduct persistent monitoring, target tracking, and data relay. They vary from light tactical (5–25 kg) to larger systems over 100 kg.

ESPIONAGE DRONES

Espionage drones are ultra-compact UAVs (typically under 5 kg) with low acoustic and radar signatures, equipped with covert cameras or microphones for discreet intelligence gathering in sensitive environments.

Unlike standard intelligence, surveillance, and reconnaissance (ISR) drones used for military observation, espionage drones focus on covert operations where secrecy and deniability are critical.

COTS: COMMERCIAL OF THE SHELFDRONES

Common off-the-shelf from hobby quadcopters to 25 kg industrial platforms, have become a key element in modern warfare, often used for ISR and strikes after simple field mods.

Though designed for civilian use, their low cost, availability, and quick adaptation make them hard to counter, especially in electronically contested environments.

Wearable C-UAS Solutions Engineered for Soldiers and Security Teams

At MyDefence, we engineer some of the world's most compact and lightweight wearable counter-UAS solutions, specifically designed for military personnel and security teams operating in fast-paced, unpredictable environments.

When every second counts, our technology ensures rapid drone detection and precise jamming capabilities without compromising mobility.

Our wearable systems are discreet, intuitive, and mission-ready, enabling hands-free operation, automatically and immediate threat response to maintain operational focus in critical scenarios.

Whether deployed as standalone devices or integrated into broader security ecosystems, our solutions give the user control of and protection of malicious drones in the sky.

OUR WEARABLE CUAS SOLUTIONS

- **Drone Detector: Wingman:** Offers drone detection, empowering users with superior situational awareness.
- **Drone Jammer: Pitbull:** Delivers high-precision jamming to neutralize threats effectively while minimizing collateral signal disruption.


Wideband XF Antenna
Drone Jammer,
The Pitbull
Drone Detector,
The Wingman

Wearable Drone Detector

Wingman 103 & 105

The Wingman Drone Detector is one of the smallest, portable drone detection systems available today.

Specifically designed for dismounted troops, special forces, and security teams on foot, its compact and lightweight design ensures reliable performance and ease of use in any mission environment.

Equipped with integrated directional antennas, the Wingman can detect drone threats early, often before takeoff.

To extend coverage, the optional Wideband XF Antenna accessory expands detection across a broad frequency range, enhancing the ability to identify drones operating on unconventional or non-standard frequencies. The Wingman operates entirely passively, ensuring that the user remains undetected throughout deployment.

Communication protocols include Cursor on Target and MyDefence's proprietary MDIF protocol.

KEY FEATURES

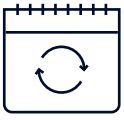
- Passive RF Sensing across 200 MHz to 6 GHz for undetectable operation
- Optional Wideband XF Antenna for expanded frequency coverage (200 MHz to 6 GHz)
- Detection in under 10 seconds with a range up to 6 km / 3.73 miles
- Continuous scanning and direction finding with ±30° accuracy
- Compact size (243 x 90 x 75 mm) and lightweight (1110 g) for easy wear or backpack carry
- IP67-rated for waterproof, dustproof, performance from -30°C to +65°C
- Immediate alerts via Sound, light and haptic
- Real-time team data sharing with ATAK integration
- Low false positive rates and comprehensive drone library for accurate detection and classification
- The product is available in two variants: Wingman 103, featuring an external battery with up to 14 hours of operation, and Wingman 105, featuring an internal battery with up to 7 hours of operation.

Direction Finding
Accuracy within 30°

Passive Detection
Enables operators to remain undetected

Detect Drones & Controllers
For comprehensive awareness of the threat

User-friendly
Intuitive operation with minimal training required.



Software Field Upgrades
Enables product evolution without costly hardware upgrades

Wingman 103

Wingman 105

Wearable Drone Jammer

Pitbull 101

The Pitbull is a lightweight, wearable RF jammer that neutralizes drone threats once detected by the Wingman.

Specifically designed for dismounted troops, special forces, and security teams on foot, it disrupts both drone control signals and GNSS navigation signals, providing comprehensive jamming coverage.
It offers up to 1000 meters of jamming range and supports both manual operation and automatic activation triggered by the Wingman.

Weighing only 1330 g including battery and designed to be worn with MOLLE straps, the Pitbull is user-friendly and intuitive, requiring minimal training. It is IP67-rated for waterproof and dustproof performance, ensuring reliable operation in harsh environments from -30°C to +65°C.

Fully integrated with ATAK, allowing the Pitbull to be remotely controlled and share jamming data in real time for better team coordination and mission success.

KEY FEATURES

- Manual activation, semi-automatic or automatic mode linked to Wingman detections
- GNSS jamming capability to block satellite navigation signals
- IP67-rated rugged design for dustproof and waterproof protection
- Power supply via standard external battery (AN/PRC-148/152) with 1-2 hours charging time
- Continual software updates to adapt to evolving drone threats
- Ultra-lightweight build (1330 g incl. battery) for comfortable wear and easy integration
- Real-time data sharing with ATAK for enhanced team coordination
- Compact size (243 x 90 x 75 mm) for seamless mounting on tactical gear
- Standby battery life of 20 hours and active jamming runtime of 2 hours
- Minimal training required for quick deployment in the field

Hands-Free Jamming

Fits in a backpack or on a vest, enabling automatic threat mitigation without effort.

Low SWaP

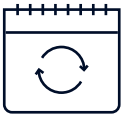
Lightweight, compact and energy-efficient for maximum portability.

User-friendly

Intuitive operation with minimal training required.

GPS Jamming

Disrupts satellite navigation to counter advanced drone threats.



Continually Updated

Also in the Field
Supports remote updates for evolving threat profiles.

Pitbull 101

WideBand XF Antenna

Full-Spectrum Drone Detection. From 200 MHz to 6 GHz.

XF stands for Extended Frequency. It delivers spectrum-wide coverage from 200 MHz to 6 GHz – far beyond traditional detection limits. Adversaries exploit every corner of the spectrum, from FPV links to advanced high-band systems. WideBand XF restores control with uninterrupted awareness in a soldier-portable solution.

COMPREHENSIVE COVERAGE

WideBand XF, designed for seamless integration with Wingman and ATAK, delivers uninterrupted awareness from 200 MHz to 6 GHz. By closing critical spectrum gaps, it uncovers FPV drones, commercial UAVs, and custom-built platforms exploiting both low and high frequencies.

ATAK-POWERED VISUALISATION

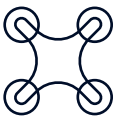
Detection becomes actionable through direct integration with ATAK (Android Tactical Awareness Kit). Signals across the spectrum are instantly visualised and flagged, giving operators a clear operational picture and enabling faster, data-driven decisions in contested environments.

WHY WIDEBAND XF?

As adversaries shift to unpredictable frequency bands, WideBand XF restores control of the spectrum. It equips forces with decisive intelligence and the ability to counter evolving drone tactics with confidence and speed.

KEY FEATURES

Frequency Range from 200 MHz to 6 GHz
Linear Vertical Polarization
360° Azimuth Coverage
Compatible with Wingman WM100, VM103, VM104, VM105, with Power Supply from Wingman
Measures 220 x 55 x 44 mm, 1 m Cable Lenght
-32°C to +65°C Temperature Range
IP67 IP-Rating
Drone ID: Bluetooth 4, Bluetooth 5 LR, Wi-Fi beacons, Wi-Fi NAN
Additional Components: Compass, GNSS-receiver, and Inertia Measurement Unit



Uninterrupted Coverage

Detects FPV drones, commercial UAVs, and custom platforms across all relevant frequency bands.

Future-Proof Updates

Software-driven enhancements keep the system ready for new threats without hardware changeouts.

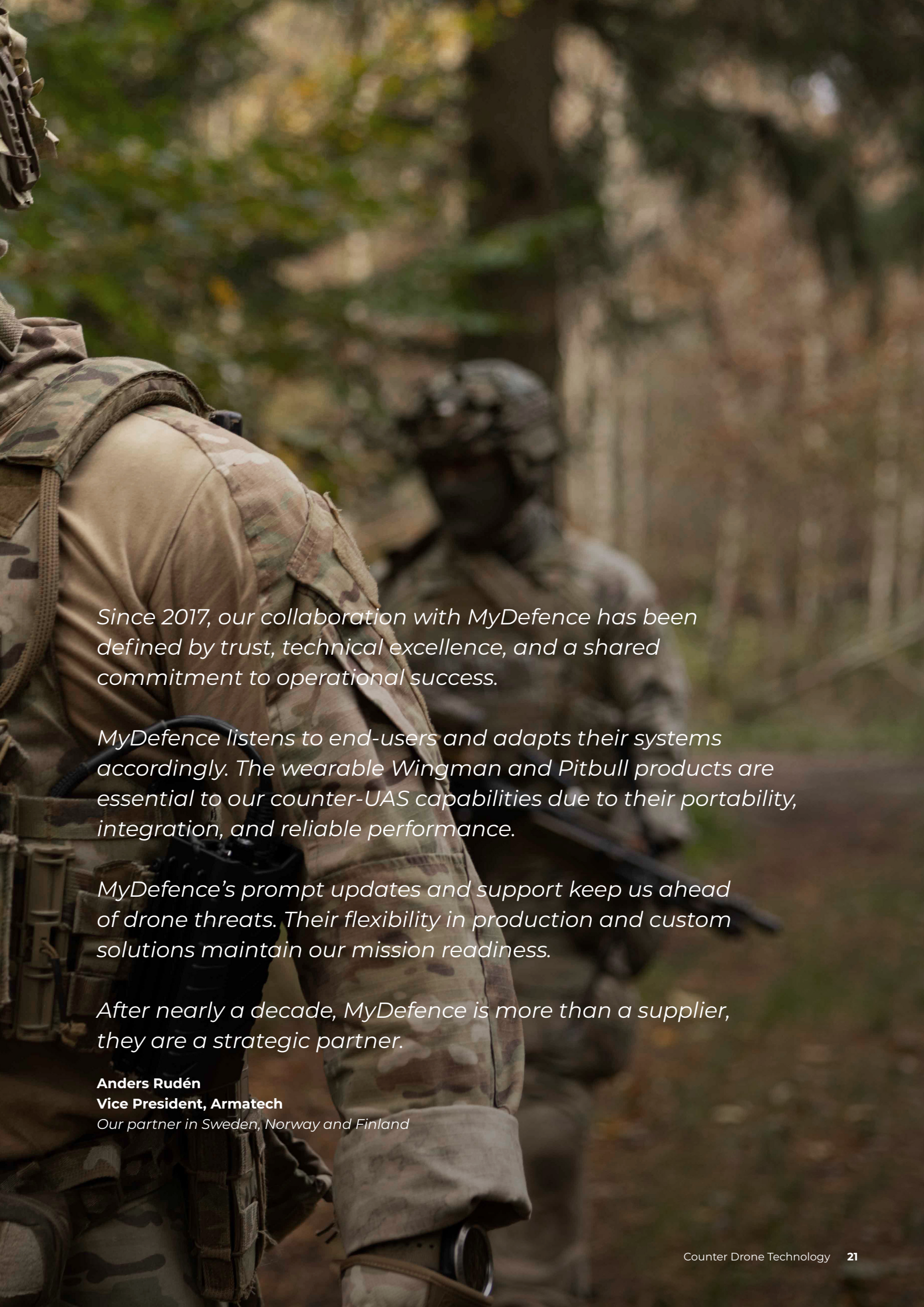
Ready for Deployment

Lightweight, rugged, and field-ready – trusted performance in contested environments.

Wideband XF

Stay Protected with Wearable C-UAS from MyDefence

For more information, visit **mydefence.com** and learn more about our wearable solutions:



Since 2017, our collaboration with MyDefence has been defined by trust, technical excellence, and a shared commitment to operational success.

MyDefence listens to end-users and adapts their systems accordingly. The wearable Wingman and Pitbull products are essential to our counter-UAS capabilities due to their portability, integration, and reliable performance.

MyDefence's prompt updates and support keep us ahead of drone threats. Their flexibility in production and custom solutions maintain our mission readiness.

After nearly a decade, MyDefence is more than a supplier, they are a strategic partner.

Anders Rudén
Vice President, Armatech
Our partner in Sweden, Norway and Finland

On the Move
Counter-UAS Solutions

MyDefence's On-the-Move systems are built for vehicles, vessels and mobile platforms - providing reliable drone detection and jamming while in motion.

Designed for military, law enforcement, and security operations, they deliver continuous protection without affecting maneuverability.

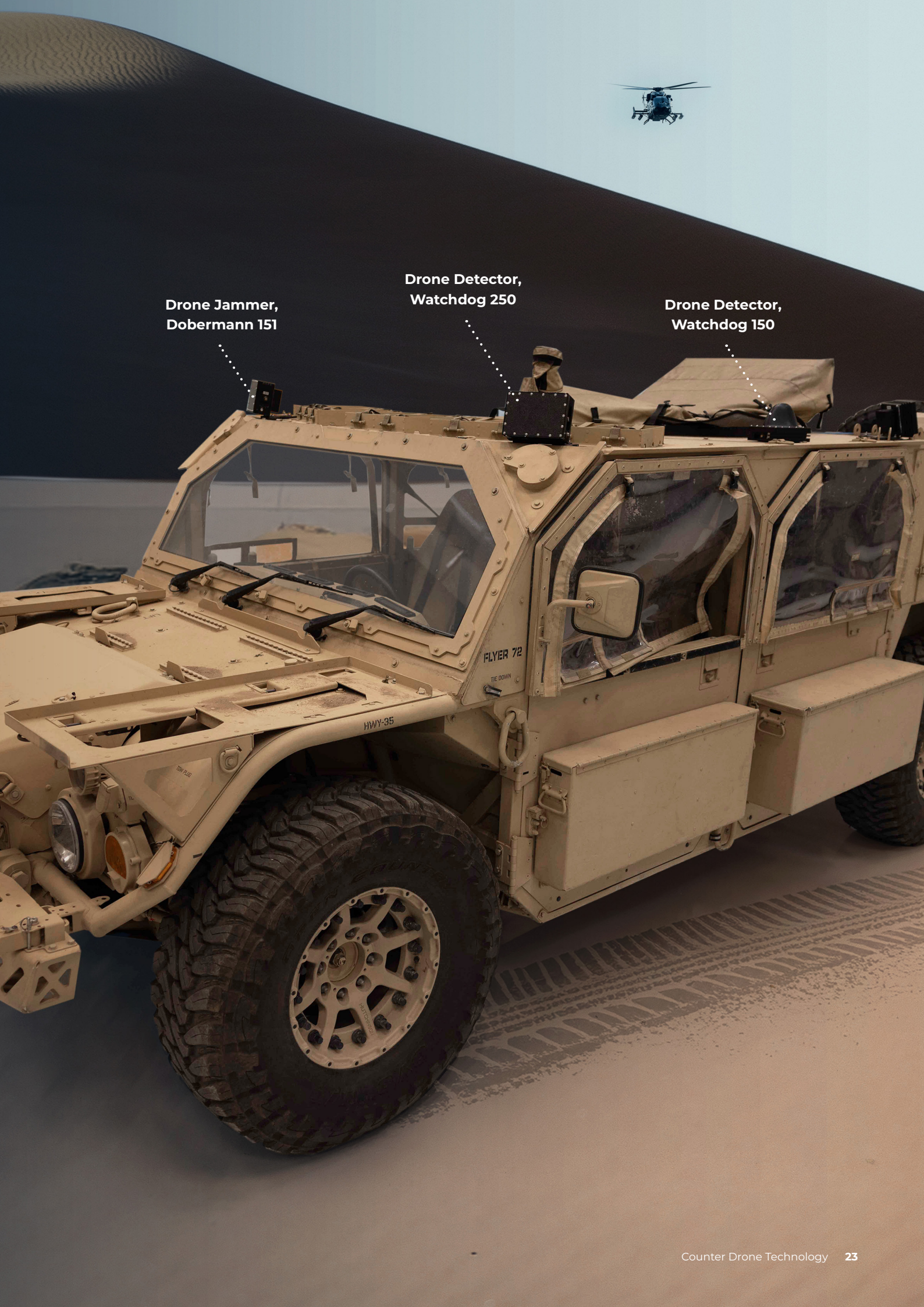
Whether patrolling urban streets or operating in remote terrain, these systems offer seamless integration and real-time situational awareness.

They support mission success by keeping users protected, connected, and ready to respond.

SYSTEM VARIANTS

With rugged design and flexible mounting options, On-the-Move solutions adapt to a wide range of platforms and operational needs from light vehicles to naval vessels. The product portfolio in this category consists of:

- **Fully Integrable Vehicle & Vessel System:** A built-in C-UAS solution designed for easy integration during production. Delivers continuous, high-performance drone protection for all deployment methods.
- **Flexible, Semi-Integrated Platform:** A quick-mount system with RF detection and jamming capabilities. Ideal for missions requiring rapid deployment, high mobility, and adaptability across a variety of platforms.
- **Light Vehicle Kit:** A compact and cost-effective CUAS setup designed for light or unarmored vehicles. Known as the Ridgeback, this kit provides reliable drone detection while preserving speed, agility, and tactical versatility.


Drone Jammer,
Dobermann 151
Drone Detector,
Watchdog 250
Drone Detector,
Watchdog 150
FLYER 72
HWY-35

Drone Detection for On-the-Move Deployments

Watchdog 150 & 250

The Watchdog 150 & 250 drone detectors are a versatile, robust solution for mobile deployments, using passive signal sensing to discreetly identify drones and their controllers.

Its modular system enables it to function as a standalone unit or as a part of a networked array, significantly expanding detection coverage and enhancing early warning capabilities.

The Watchdogs meets strict military standards (IP68, MIL-STD-461F, MIL-STD-810G), and operates reliably even in harsh environments.

It integrates seamlessly with MyDefence's Situational Awareness System, Iris/Argos as well as third-party platforms through open API interfaces, ensuring efficient coordination between detection and response.

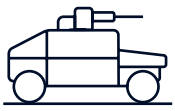
KEY FEATURES

Detection time is less than 10s*, detection range is up to 9 km / 5.59 miles *
Detection frequency bands for Watchdog 150 are 433MHz, 868MHz, 915MHz, 1.2GHz
Detection frequency bands for Watchdog 250 are 2.4, 5.2 & 5.8 GHz
Detection coverage angle: 360° (Watchdog 150); 90° horizontal × 90° vertical (Watchdog 250)
Operating temperature is -30°C to 65°C / -22°F to 149°F
Watchdog 150 measures 180 x 180 x 151 mm / 7.09 x 7.09 x 6.22 in, weighs 1.9 kg/ 67.oZ
Watchdog 250 measures 180 x 180 x 75 mm / 7.09 x 7.09 x 2.95 in, weighs 1.9 kg/ 67.oZ
Mobile top-mount or side-mount on vehicles and vessels
Designed to withstand vibration and shocks, dust, salt and solar radiation
Communication interface via Ethernet,
Power over Ethernet+ (PoE+), power consumption is <15 W
Multiple configurations is possible depending on mission

Direction Finding
Accuracy within 5°

Passive Detection
Enables operators to remain undetected

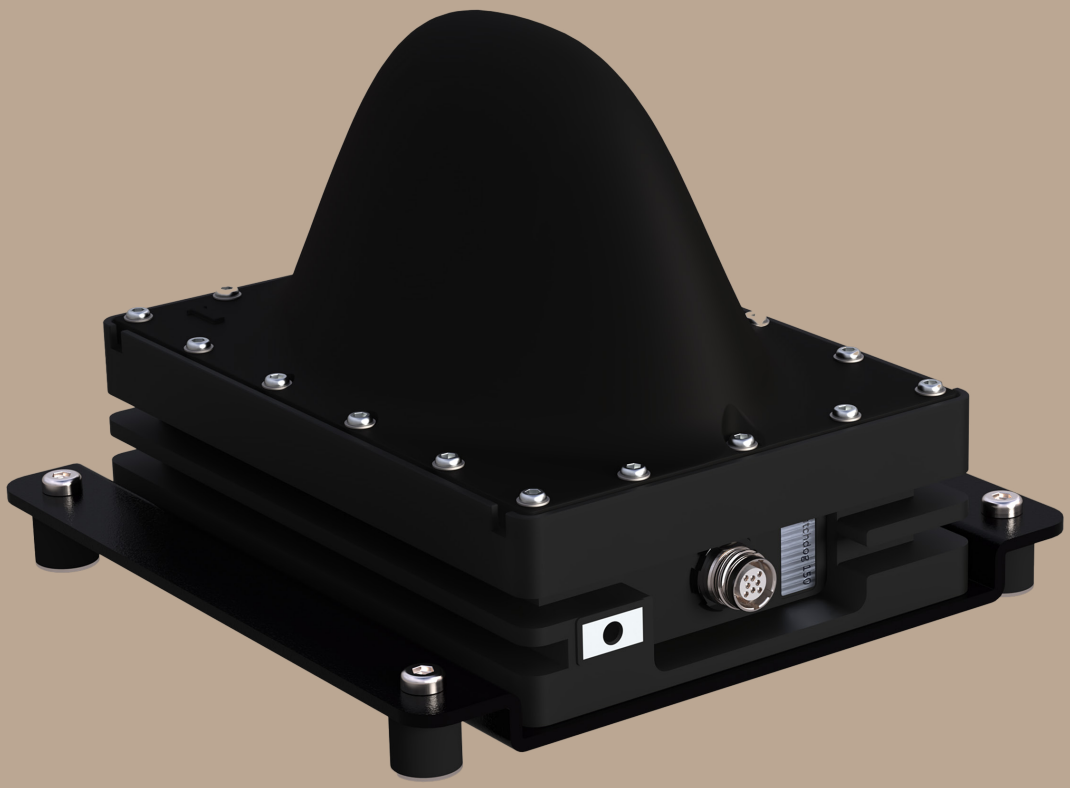
Detect Drones & Controllers
For comprehensive awareness of the threat



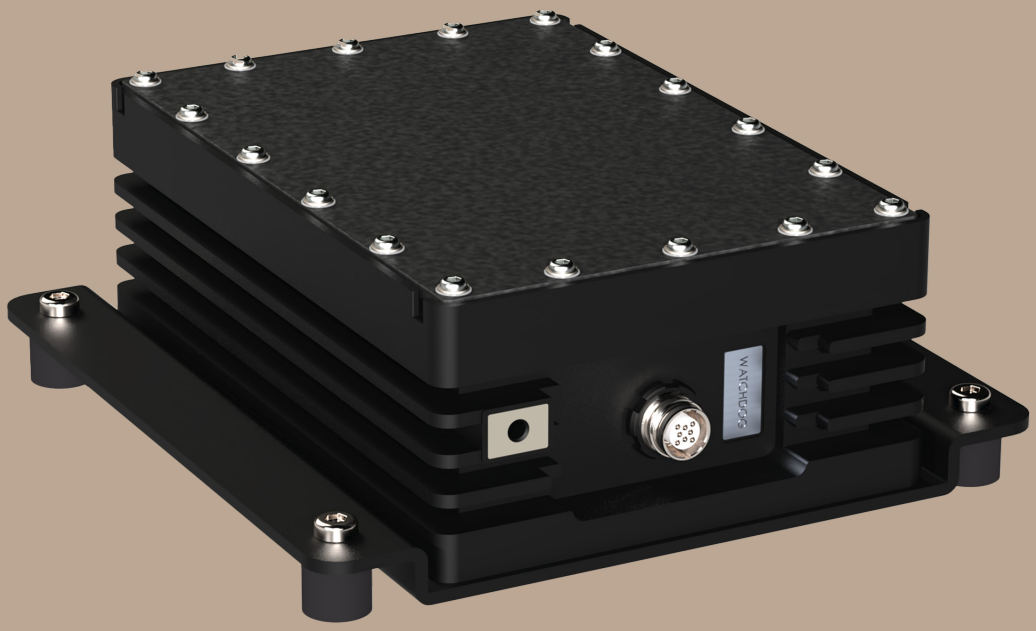
Flexible Integration
Onto land vehicles or sea vessels

Multi-layered Approach
Integration into multi-layered CUAS approach

 ** Depending on the RF environment & line of sight*



Watchdog 150



Watchdog 250

Drone Jammer for On-the-Move Deployments

Dobermann 151

The Dobermann 151 is a drone jammer designed for mobile deployment, integrating seamlessly onto land vehicles, sea vessels, and other platforms. Its compact footprint and flexible mounting options ensure agile drone mitigation without compromising platform mobility. Despite its size, Dobermann 151 delivers powerful performance, disrupting both drone and controller signals to neutralize threats.

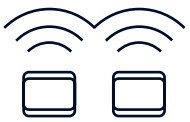
OPERATIONAL MODES AND INTEGRATION

Dobermann supports both manual and autonomous jamming and integrates with MyDefence's Situational Awareness System, Iris/Argos, as well as third-party command and control platforms through open API interfaces. Working together, Watchdog 150 & 250 and Dobermann 151 create a comprehensive counter-drone solution.

Watchdog 150 & 250 detects and identifies drone threats, while Dobermann 151 automatically jams drone signals to force them down or send them back. For expanded coverage, multiple Dobermann units can operate together, combining low-power signals into a concentrated, high-power jamming effect. This ensures efficient mitigation and robust protection against drone threats.

KEY FEATURES

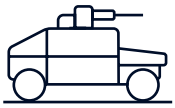
- Jamming frequencies are 2.4 GHz, 5.2 GHz, 5.8 GHz & 1.6 GHz (GNNS)
- Horizontal and vertical jamming angle is 90°, jamming ratio up to 80%*
- Operating temperature is -30°C to 65°C / -22°F to 149°F
- Measures 180 x 180 x 158 mm / 7.09 x 7.09 x 6.22 in., weighs 1900 g / 67 oz.
- Mobile top-mount or side-mount on vehicles and vessels
- Designed to withstand vibration and shocks, dust, salt and solar radiation
- Communication interface via Ethernet. Power over Ethernet+ (PoE+), power consumption is 25 W
- Multiple configurations is possible depending on mission



Collaborative Jamming
Enables high power effect on targets

GPS Jamming
Effective on GPS-dependent UAS

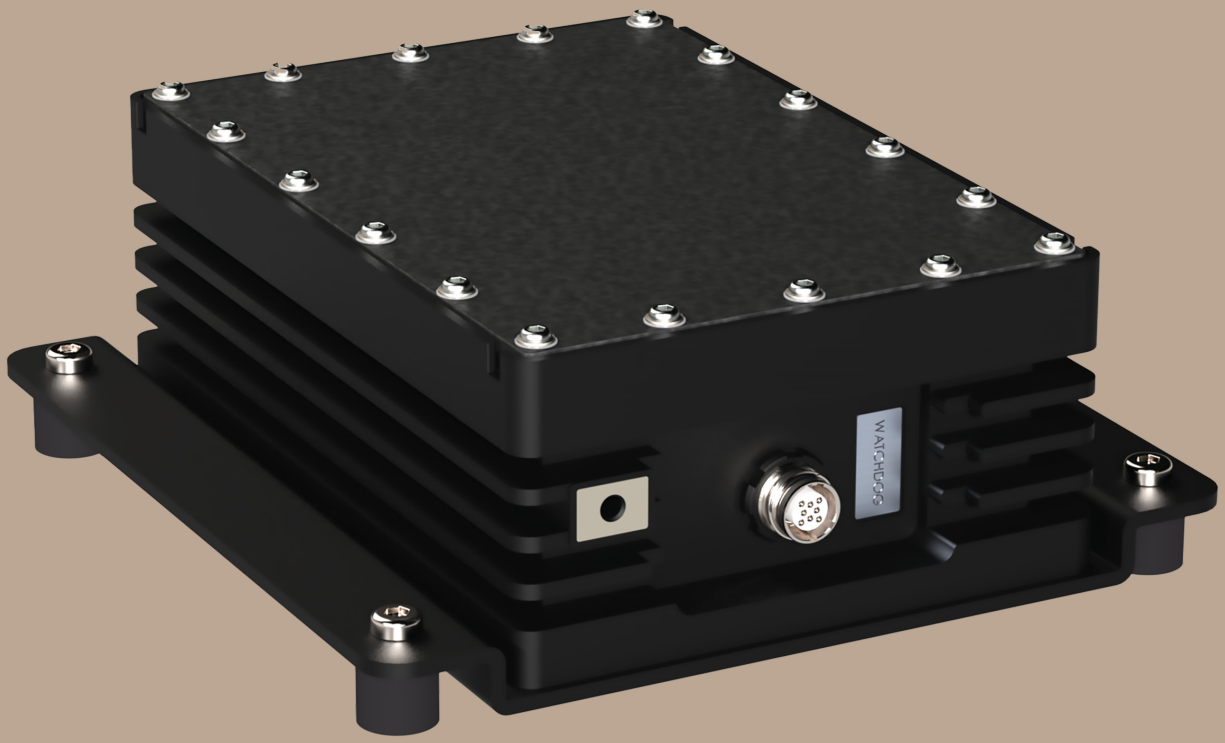
Jam Drones & Controllers
For comprehensive neutralization of the threat



Flexible Integration
Onto land vehicles or sea vessels

Multi-layered Approach
Integration into multi-layered CUAS approach

 ** Depending on the RF environment & line of sight*



Dobermann 151

Secure Your Mission with Vehicle Mounted C-UAS

For more information, visit **mydefence.com** and learn more about our vehicle solutions:

Perimeter C-UAS Solutions From Ground to Sky, Complete Perimeter Security

Fixed and Portable Protection Against Unauthorised Drones

Our perimeter systems maintain airspace security 24/7 and deliver 360° detection and mitigation, whether permanently installed or rapidly deployed in the field.

Designed for long-range protection, they detect, track, and neutralize unauthorized drones with precision, ensuring comprehensive situational awareness and robust security for critical infra-structure and sensitive areas.

These perimeter solutions integrate effortlessly with existing security frameworks, delivering scalable capabilities that evolve with emerging threats - providing assurance and operational confidence in mission-critical environments.

OUR PERIMETER SOLUTIONS

- **Stationary Site Kit:**
  Purpose-built for continuous, long-range protection of fixed installations.
- **Portable Site Kit:**
  A field tested, mobile system that ensures real-time detection and rapid response, enhancing coordination with authorities.
  Our scalable perimeter defence systems are fully networked for mission-ready deployment.
- **Multi-Layered Defence:**
  Because some drones evade RF detection, we support a layered approach that combines RF sensors with radar, cameras, and acoustic detection, ensuring comprehensive coverage and robust protection.


Drone Detector,
Wolfpack 210
Drone Jammer,
Dobermann 360

Detection for Portable and Fixed-site Protection

Wolfpack 210

The Wolfpack is a plug-and-play drone detector that can be easily mounted on a tripod or integrated into Forward operating missions or fixed installations. It becomes operational within minutes, making it an ideal portable radio frequency detection solution.

With 360-degree coverage and intelligent signal analysis, Wolfpack detects the protocol to determine direction, ensuring high-accuracy detection even in complex environments.

Lightweight and portable, Wolfpack is suited for a wide range of applications, including perimeter protection at government buildings, prisons, military camps, airports, borders, and other critical infrastructure. For larger areas, multiple Wolfpacks can be deployed to enable triangulation, enhancing detection accuracy and situational awareness.

Wolfpack integrates seamlessly with MyDefence's Situational Awareness System (Iris/Argos) and third-party security platforms. Sensor Fusion in Iris combines multiple data sources, creating a precise and layered threat picture. Wolfpack's straightforward configuration and robust performance deliver a dependable detection capability for any mission.

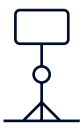
KEY FEATURES

Detection time is less than 10s*, detection range is up to 10 km / 6.2 miles *
Detection frequency bands are 433MHz, 868MHz, 915MHz, 1.2GHz, 2.4, 5.2 & 5.8 GHz
Omnidirectional detection coverage angle is 360° (horizontal), vertical is 90°
Operating temperature is -30°C to 65°C / -22°F to 149°F
Direction finding accuracy is 5° RMS accuracy (On 2.4, 5.2 and 5.8 GHz frequencies)
Multiple units enable location triangulation + Remote-ID Location
Measures 31,5 x 31,5 x 26 cm / 12.4 x 12.4 x 10.2 in, weighs 5 kg / 11 lbs
Power Supply is 36V, power Comsumption is 40W

Direction Finding
Accuracy within 5°

Passive Detection
Enables operators to remain undetected

Detect Drones & Controllers
For comprehensive awareness of the threat



Quick Deployable
Setup and connect to the device in a matter of minutes

Software Field Upgrades
Enables product evolution without costly hardware upgrades

 ** Depending on the RF environment & line of sight*

Wolfpack 210

Drone Jamming for Perimeter Protection

Dobermann 101 & 121

The Dobermann 101/121 is a low power wall- or bracket-mounted RF jammer designed for comprehensive area-wide drone protection. It actively disrupts RF signals between drones and their operators, providing robust perimeter security against drone threats.

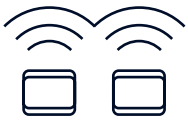
With advanced networked capabilities, it is an ideal solution for high-security locations requiring reliable counter-UAS measures. Fully compatible with the MyDefence Situational Awareness System, including Iris/Argos, it integrates seamlessly into multi-layered C-UAS approaches, ensuring maximum adaptability and efficiency.

Dobermann utilizes Change to advanced jamming technology, allowing for highly effective, reactive spot jamming. Unlike traditional broad-spectrum jammers, Dobermann targets only specific areas of the RF spectrum, minimizing interference.

This approach enables safe, targeted jamming at longer distances with minimal power output, making the system both efficient and discreet.

KEY FEATURES

Jamming frequencies are 2.4 GHz, 5.2 GHz, 5.8 GHz & 1.6 GHz (GNNS)
Horizontal jamming angle is 90°, vertical jamming angle is 90°
Jamming Ratio is up to 80%*
Weighs 1360 g / 48 oz.
Measures 115 x 160 x 95 mm / 4.53 x 6.3 x 3.74 in.
Operating temperature is -30°C to 65°C / -22°F to 149°F
Communication interface is Ethernet
Power over Ethernet+ (PoE+), power consumption is 25 W
API for C2 Integration are Argos Server Software to Iris UI and other situational awareness systems



Collaborative Jamming
Enables high power effect on targets

GPS Jamming
Effective on GPS-dependent UAS

Jam Drones & Controllers
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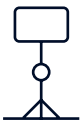
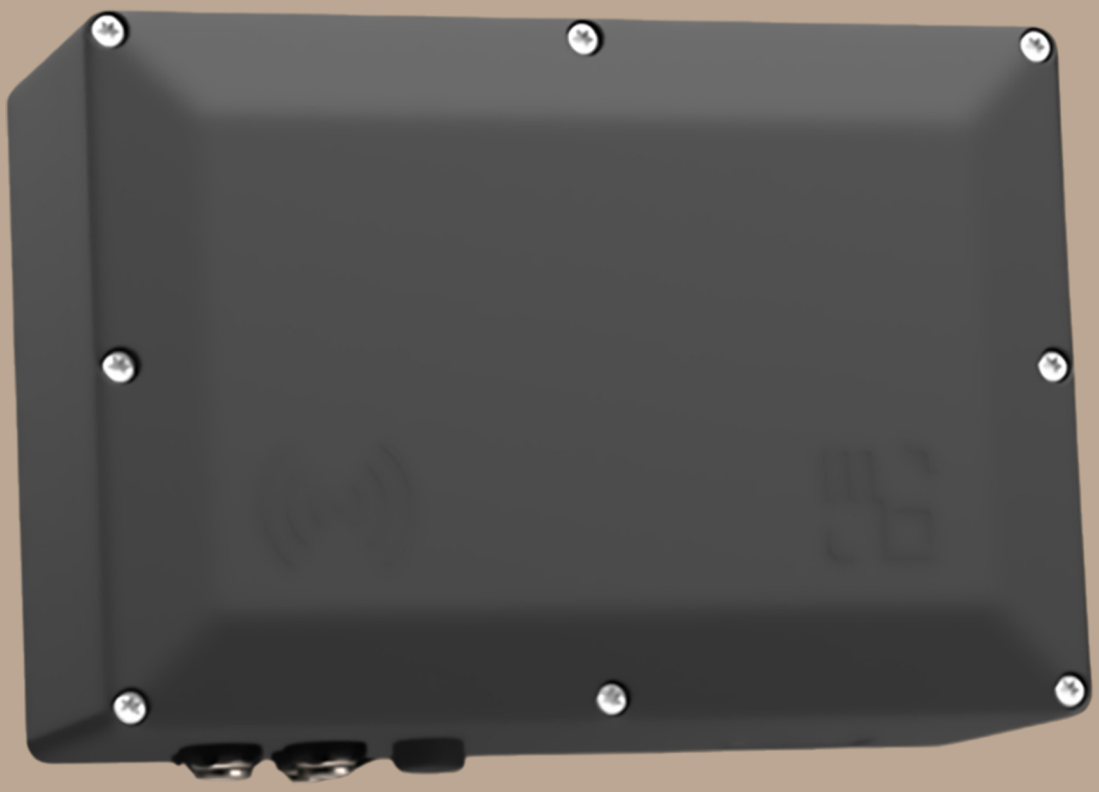


Quick Deployable
Setup and connect to the device in a matter of minutes

Multi-layered Approach
Jammer offers integration into multi-layered CUAS approach

 ** Depending on the RF environment & line of sight*



Dobermann 101 & 121

RF Jammer for Area-wide Drone Protection

Dobermann 360

The Dobermann 360 is a 360° RF jammer engineered for area-wide drone protection. This Counter UAS jammer is designed to safeguard perimeters from drone threats by actively disrupting RF signals between drones and their operators.

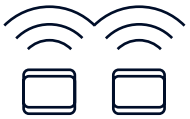
With advanced networked capabilities, Dobermann 360 delivers comprehensive drone mitigation, making it ideal for high-security locations or quick deployable sites in need of robust anti-drone measures.

Dobermann utilizes next generation jamming technology, allowing for highly effective, reactive spot jamming. Unlike traditional broad-spectrum jammers, Dobermann targets only specific areas of the RF spectrum, minimizing interference.

This approach enables safe, targeted jamming at longer distances with minimal power output, making the system both efficient and discreet. Dobermann 360 is available both with or without GNNS Jamming.

KEY FEATURES

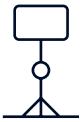
Jamming Frequencies are 2.4 GHz, 5.2 GHz, 5.8 GHz & 1.6 GHz (GNNS)
Horisontal jamming angle is 360°, Vertical jamming angle is 90°
Jamming ratio is up to 80%*
Weighs 14,7 kg / 32,4 lbs
Measures 700 x 700 x 310 mm / 27.56x 27.56 x 12.21 in.
Operating Temperature is -30°C to 65°C / -22°F to 149°F
Communication Interface is Ethernet
Power over Ethernet+ (PoE+), < 25 W, Power Consumption is 200 W
API for C2 Integration are Argos Server Software to Iris UI and other situational awareness systems



Collaborative Jamming
Enables high power effect on targets

GPS Jamming
Effective on GPS-dependent UAS

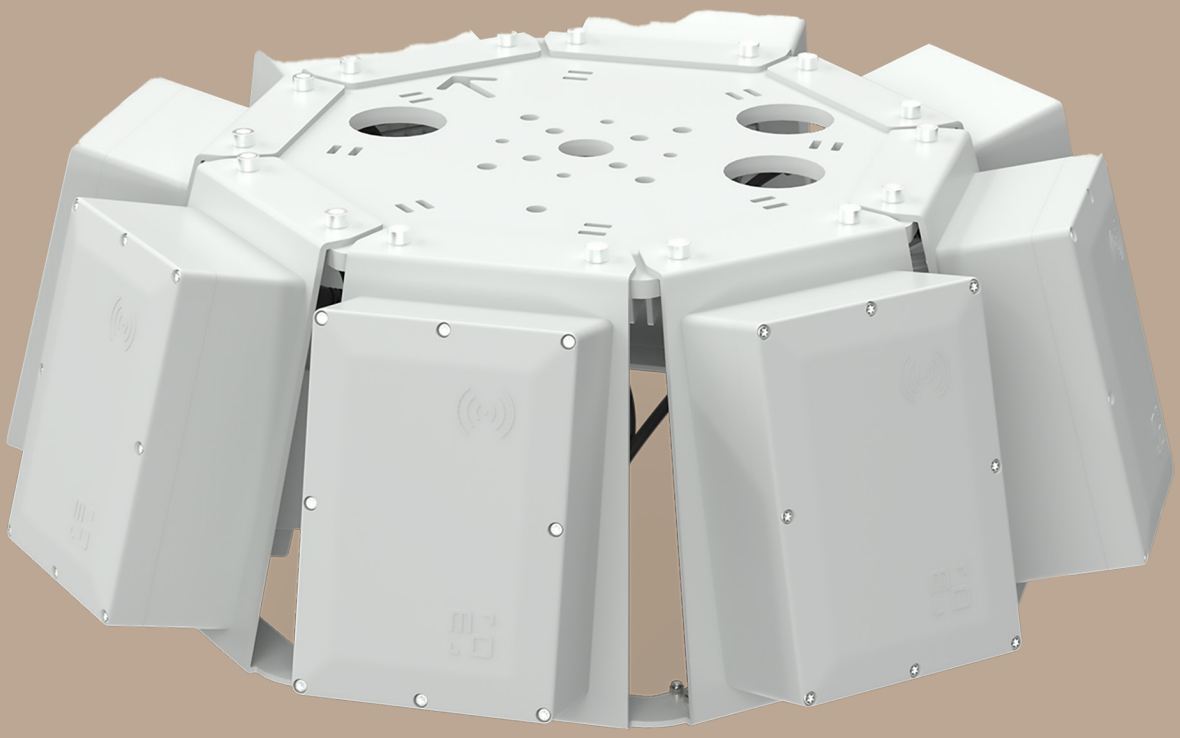
Jam Drones & Controllers
For comprehensive neutralization of the threat



Quick Deployable
Setup and connect to the device in a matter of minutes

Multi-layered Approach
Networked jammer offers integration into multi-layered CUAS approach

 ** Depending on the RF environment & line of sight*



Dobermann 360

Drone Detection for Perimeter Protection

Watchdog 202

The Watchdog 202 is a compact, rugged RF-based device designed to detect drones and their controllers, ideal for fixed installations on masts or walls.

The Watchdog 202, one of the smallest direction-finding RF drone detectors, is perfect for stationary setups like perimeter protection at prisons or military camps and countering electronic warfare in critical infrastructure.

A multi-modular setup enhances performance and extends frequency range.

The Watchdog 202 detects the protocol to determine direction, ensuring reliable detection performance across cluttered and complex surroundings. It also pinpoints the signal's direction, and when networked, helps triangulate the drone or pilot's location. It also pinpoints the signal's direction, and when networked, helps triangulate the drone or pilot's location.

Integrated with jammers, sensors, and situational awareness software, it provides comprehensive counter-UAS and electronic warfare defence. MyDefence offers expert advice for installation and integration.

KEY FEATURES

Detection time is less than 10s*, detection range is up to 10 km / 6.2 miles *
Detection frequency bands are 2.4, 5.2, 5.8 GHz, with External Antenna 433MHz, 868MHz, 915MHz, 1.2 GHz
Horisontal and vertical detection coverage angle is 90°, with External Antenna omnidirectional 360°
Operating Temperature is -30°C to 60°C / -22°F to 140°F
Direction Finding Accuracy is 5° RMS accuracy (On 2.4, 5.2, 5.8 GHz)
Multiple units enable location triangulation + Remote-ID Location
Measures 17,5 x 10 x 4,2 cm / 6.9 x 4 x 1.65 in, weighs 742 g / 1.64 lbs
Power Over Ethernet (POE), power usage is less than 15W

Direction Finding
Accuracy within 5°

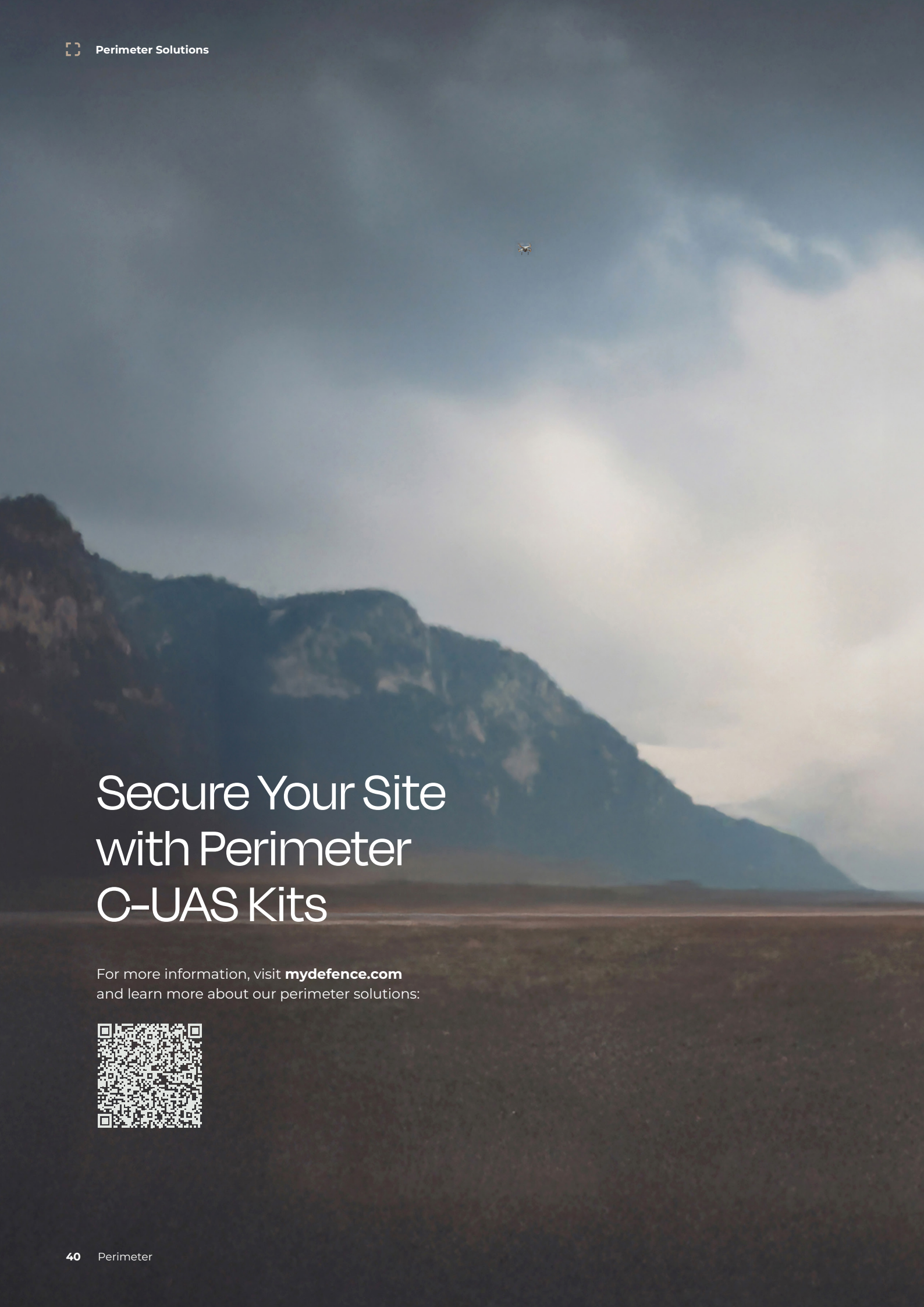
Passive Detection
Enables operators to remain undetected

Detect Drones & Controllers
For comprehensive awareness of the threat

Software Field Upgrades
Enables product evolution without hardware upgrades

 ** Depending on the RF environment & line of sight*

Watchdog 202



Secure Your Site with Perimeter C-UAS Kits

For more information, visit **mydefence.com** and learn more about our perimeter solutions:

Software Solutions Situational Awareness System

The MyDefence Situational Awareness System, Iris, is a flexible and innovative system designed to meet the demands of modern distributed Software Solutions.

It provides real-time situational awareness through the frontend, Iris, with a focus on counter-UAS operations and is crafted with simplicity in mind for the distracted operator.

The solution allows for seamless integration of all MyDefence network products and can incorporate, through the backend Argos, third-party products such as radars, cameras, audio sensors, and jammers to create a multi-layered protection system.

Sensor fusion merges RF, radar, and camera data to ensure accurate drone detection, reliable tracking, and reduced false alarms - giving operators a clear, real-time threat overview for faster response.


Iris

Situational Awareness for Accurate Decision Making

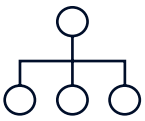
Iris

MyDefence's Situational Awareness System comprises of Argos as the backend and Iris at the frontend. It revolutionizes UAS awareness by seamlessly integrating complex data from multiple sources into a modern, intuitive user interface.

The system offers multiple levels of sensor correlation, providing users with a concise description of each physical threat, ensuring protection through both awareness and mitigation. It offers customizable audio and visual alerts, layered protection zones with individual warning levels, and automated actions - such as jamming when a zone is breached.

Additionally, the MyDefence Situational Awareness System features comprehensive forensics with detailed reports and replays of individual threats, a built-in video management system capable of handling multiple video streams, and a vehicle mode with vehicle-centric display and moving maps. It is interoperable with the TAK ecosystem, acting as both a producer and consumer of Cursor-on-Target messages.

The Situational Awareness System is also compliant with the NATO Sapient protocol, making it a robust and versatile solution for modern security needs.

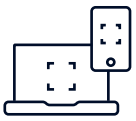


Multi Layered Approach

Enables 3rd party integrations of radars, EO/IR cameras etc.

Drone Detection

Situational awareness specific for drone detection.



Cross Device Communication

Communicate between Wearable, Vehicle and Perimeter products.

Continuously Updated

Enables new features to address constantly evolving threats.

Iris

A New Era of Drone Intelligence

Custom Drone Library

Custom Drone Library is a pioneering drone intelligence platform that enables operators to build and maintain their own threat database - turning every encounter into a valuable asset for situational awareness. To record radio frequency signals, you must use MyDefence Watchdog or Wolfpack.

Built for high-tempo, mission-critical environments, Custom Drone Library helps you stay ahead of rapidly evolving drone threats. Whether capturing drone activity through Iris or directly within the Custom Drone Library, operators can instantly record and analyze signatures.

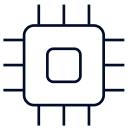
These insights can then be used to quickly develop and distribute new detectors across all units - ensuring soldiers equipped with MyDefence systems maintain a tactical advantage.

As adversarial drone activity becomes more agile and unpredictable, the Custom Drone Library delivers a tactical edge through speed and scale.

Built to serve NATO-aligned operations and national defence, it enables a daily-adaptive defence posture - ensuring every drone detection unit is ready for tomorrow's warfare.

Encounter Once, Detect Everywhere

A single drone encounter can be transformed into detectors and shared across your network - keeping all units alert and informed.

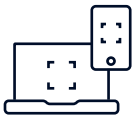


Tactical Edge

Adapt to new drones within hours, not days - closing the gap between detection and response.

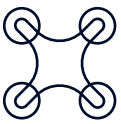
Frontline-Ready with Wingman Support

Wingman units can be rapidly updated with the latest drone detectors; no lag, no blind spots.



Intuitive and Operator-Friendly

Designed with usability in mind, Custom Drone Library simplifies the process of capturing and analyzing drone signatures. Deployment and management are streamlined through seamless integration with the MyDefence Device Manager.



Full Ownership of Custom Libraries

Customers retain full control of their custom detectors and recordings, allowing them to work with sensitive data they cannot share.

Drone Pilot Detector
Locate Threatening Drones in the Airspace

Enhanced Airborne Detection Concept for Superior Threat Mitigation.

Falcon is an airborne detector, providing the operator information about the location of the threatening drone and drone pilot, beyond land-based sensors.

This detector enables accurate classification and low false positives through an Extensive Drone Library, making it possible to mitigate the threat by apprehending the pilot, preventing both the active drone threat and the next threat from occurring.

By flying above the ground obstacles, the Falcon will have enhanced line of sight of the controller. When the controller is detected, the signal is followed with the Falcon flying RF sensor, and the drone's camera is used to identify the threat.

Falcon makes it easier to search an area for the drone pilot, as you are given the direction of the controller's signal, while having a camera visual feed from the drone carrying the Falcon.

Advanced Airborne Drone Detector Concept

Falcon

Falcon is an advanced airborne detector concept, transforming drone threat management by delivering real-time information on drones and their pilots. Surpassing land-based sensors, Falcon enhances situational awareness and threat mitigation. With its airborne design, Falcon improves line of sight by flying above obstacles, rapidly detecting controller signals with its RF sensor.

The system tracks these signals and identifies threats via the drone's onboard camera, simplifying pilot location. Supported by a live camera feed, operators receive precise data on the controller's signal direction, enabling efficient neutralization of drone threats.

ENHANCED INTEROPERABILITY AND AWARENESS

Falcon seamlessly integrates a networked sensor with Iris - Situational Awareness System and complies with ATAK standards.

This interoperability creates a comprehensive operational picture, providing actionable intelligence and improving situational awareness.

By combining real-time tracking, RF detection, and advanced compatibility, Falcon sets a new standard in counter-UAS solutions for complex environments.

KEY FEATURES

Detection time is less than 10s
Detection range is up to 10 km / 6.2 miles * + drone range
Detection frequency bands are 2.4, 5.2, 5.8 GHz
Horizontal detection coverage angle is 90°
Vertical detection coverage angle is 90°
Measures 127 x 100 x 25 mm / 5 x 3,94 x 0,98 in.
Weighs 250 g / 8.8 Oz

Direction Finding

Accuracy within 5°.

Airborne Detection

Enables operators to extend detection area.

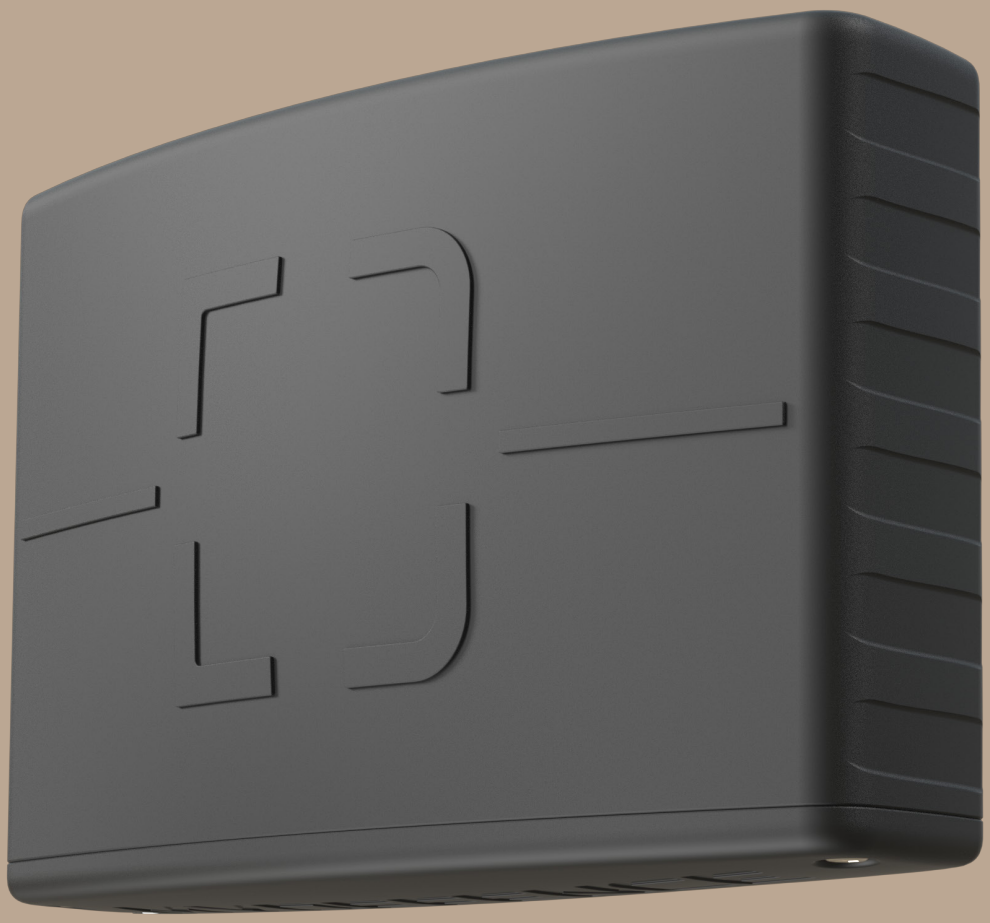
Detect Drones & Controllers

For comprehensive awareness of the threat.

Software Field Upgrades

Enables product evolution without costly hardware upgrades.

 ** Depending on the RF environment & line of sight*



Falcon

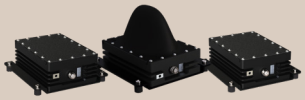
The integration of the system is very flexible, and the user interface is easy to use and very straight forward.

The system delivers as promised and if any questions appear the service level at MD is very high as we get a response within 24 hours.

All in all, a very good experience.

Special Forces Unit
European Union Country
NATO Member

Application Table

	Wearable	On-the-Move	Airborne	Perimeter Protection
Wingman 103, 105 	X	X	-	-
Pitbull 101 	X	-	-	-
Watchdog 150, 250 **Dobermann 151** 	-	X	-	-
Watchdog 202 **Dobermann 101, 121, 360** 	-	-	-	X
Wolfpack 210 	-	-	-	X
Falcon 200 	-	-	X	-


For more information, visit
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more about our products:

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