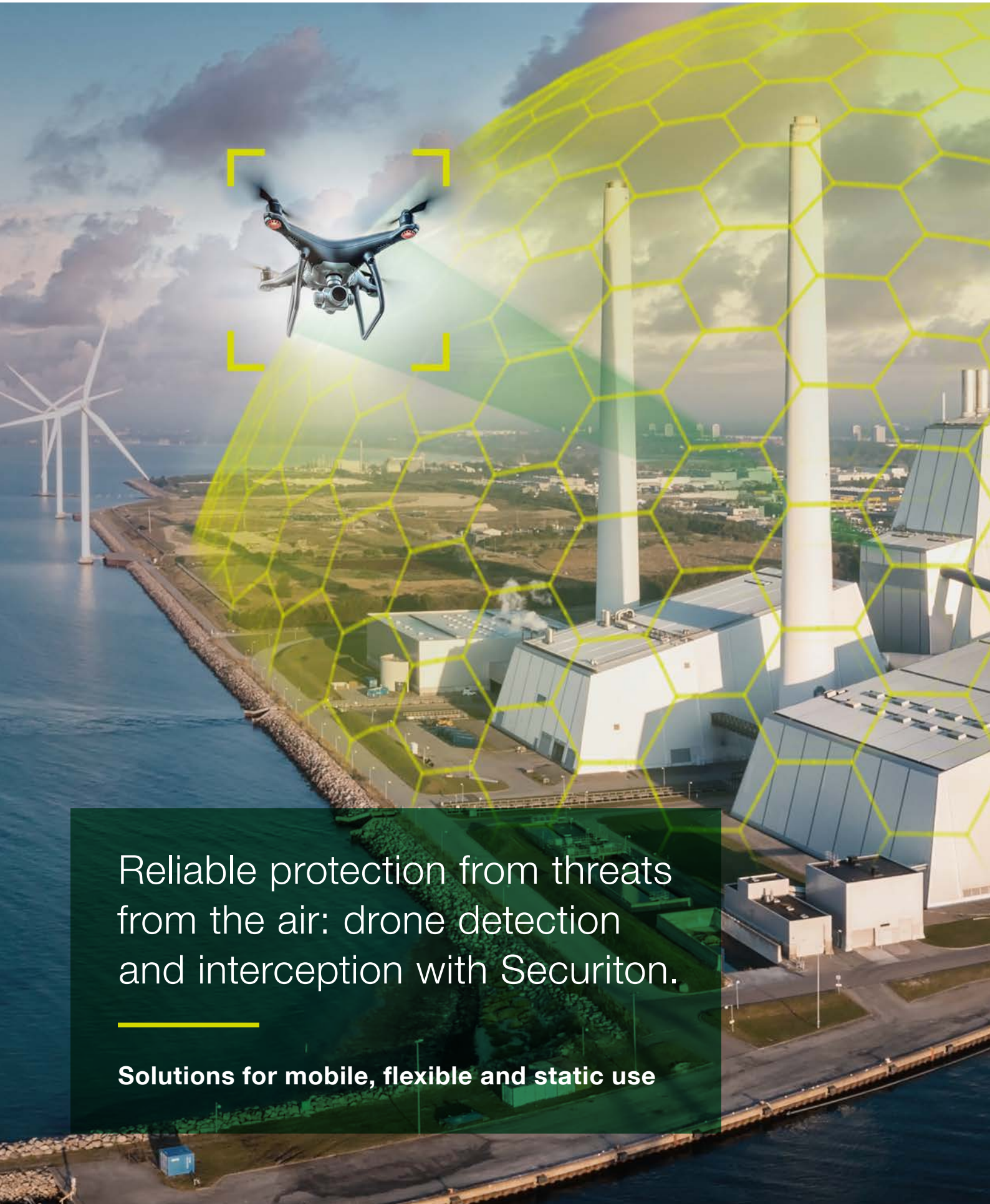
Extra. Safe.

SECURITON



Reliable protection from threats from the air: drone detection and interception with Securiton.

Solutions for mobile, flexible and static use

Welcome to your brand for security: Securiton Germany

There can be no compromises when it comes to security. Concepts need to be approached holistically and developed on the basis of individual requirements. Securiton therefore sees itself as an integrator for you, providing reliable, high-tech solutions for security and safety from a single source and intermeshing them intelligently with one another. Here you can see which areas we can offer you specific solutions for:

You can count on us for security:

- We have more than 40 years of experience as a systems provider and application specialist.
- We are one of the few providers who can develop, configure and implement end-to-end security concepts for you.
- We know exactly how to incorporate your specific needs and requirements into our solutions.
- We can guarantee professional advice when analysing your particular security situation in terms of dangers and risks.
- We can offer servicing and repairs from a single source.
- We operate from 16 locations across Germany – we are wherever you are.

Dome Security: our philosophy for property and perimeter protection

As a holistic partner for security, our mission is to hold a protective shield over our customers. On the basis of this philosophy – which we call “Dome Security” – we create reliable and custom solutions for all aspects of property and perimeter protection.

Airspace security: New threats require new concepts

Fencing and video detection is generally no longer enough to provide protection against threat scenarios. Airspace surveillance is now vital as drones have become one of the most common technological airborne threats. Drones from the outside can gain access to the site, spy on it or transport objects and release them over the site. However, you can protect yourself from such scenarios – with individually adapted drone security systems from Securiton.

Well-positioned from all angles: your advantages with Securiton

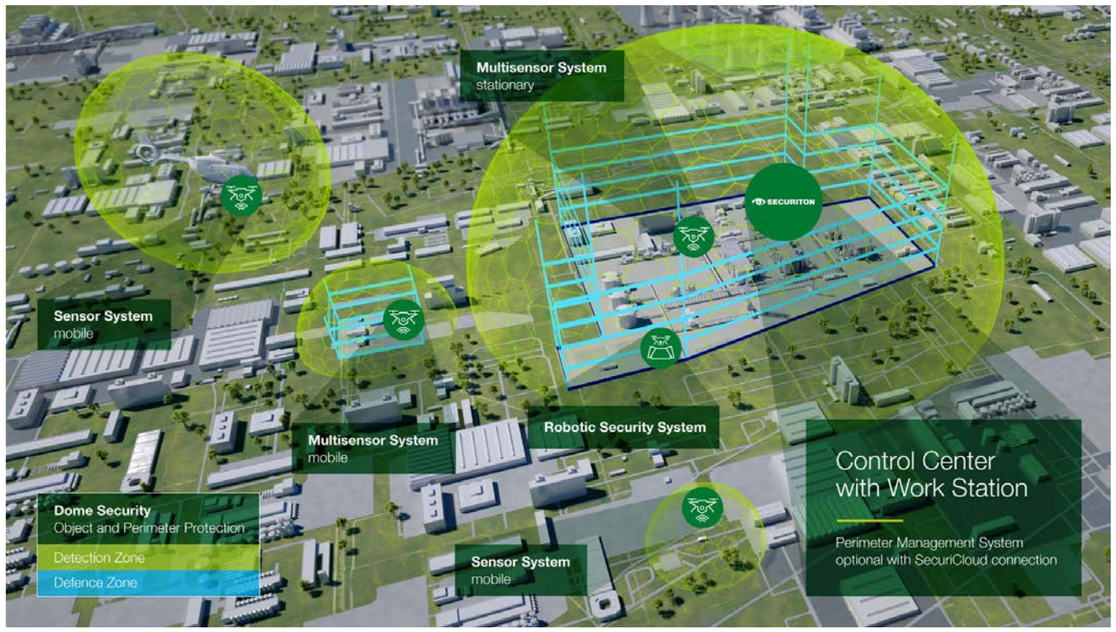
We know exactly what's needed when it comes to drone detection and defence, which is why we offer you added value to ensure a reliable and optimal package solution.

Flexible
Do you already use certain sensor systems, want to use new technologies in the future or are interested in having increased range? As an integrator, we design and plan the optimal security solution based on your needs.

Full information power
If a drone is successfully detected, all relevant coordinates and data will be visualised on a 3D site map for you, so that you can initiate proactive countermeasures as early as possible. Among other things, the position of the drone and pilot, flight path, altitude and drone type are supplied.

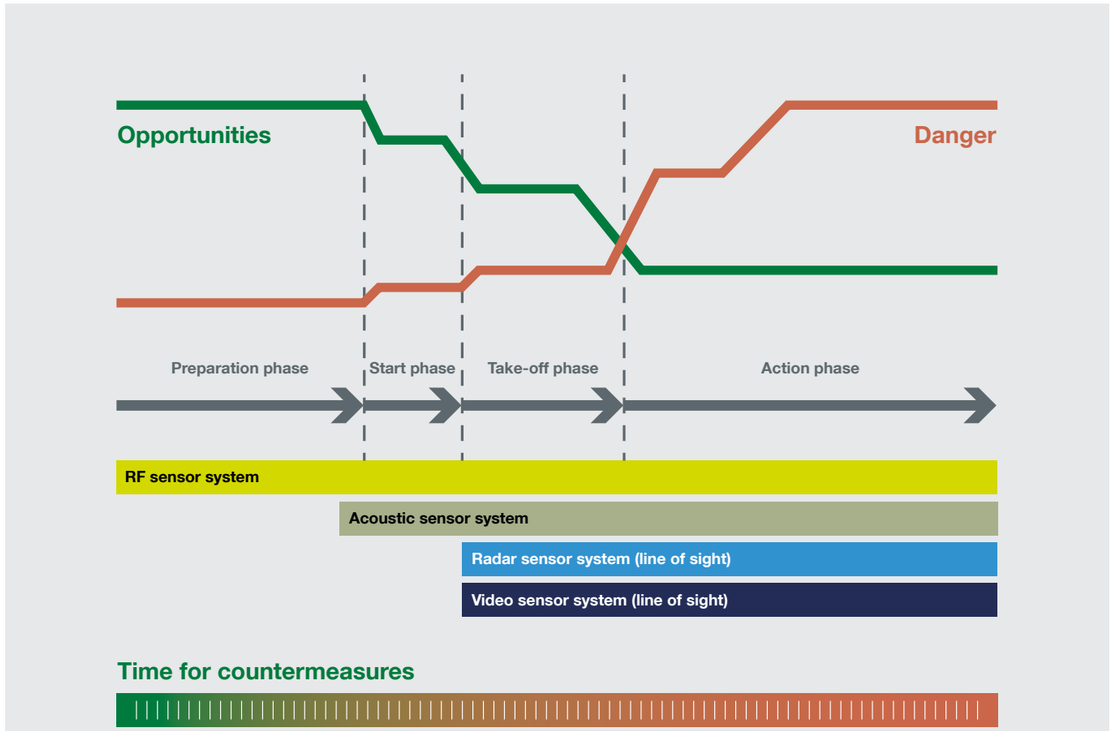
Controlled takeover as defence
You have the possibility of bringing the drone into land safely and in a controlled way within a predefined area – without third parties coming to any harm.

Holistic property and perimeter protection
As the SecuriDrone Perimeter Management System integrates various sensor systems and can receive and process their data in its entirety, you get an all-encompassing protection concept: Dome Security.



Important for you: we rely on cutting-edge technology when it comes to drone defence

Traditional radar and acoustics technologies are often not sufficient and may only be used by the authorities and the military. For the perfect defence mix, we therefore rely on an intelligent combination of various sensor systems – everything to ensure you have as much time as possible to react and initiate corresponding defence measures.



The diagram is clear: the later a drone is detected, the later countermeasures can be initiated, regardless of the sensor system used. You can act the earliest with RF sensors.

Overview: solutions for every need

We offer you drone security systems that precisely match your requirements. We will present them to you in detail on the following pages. Here you can see our systems in a direct comparison:

Sensor systems

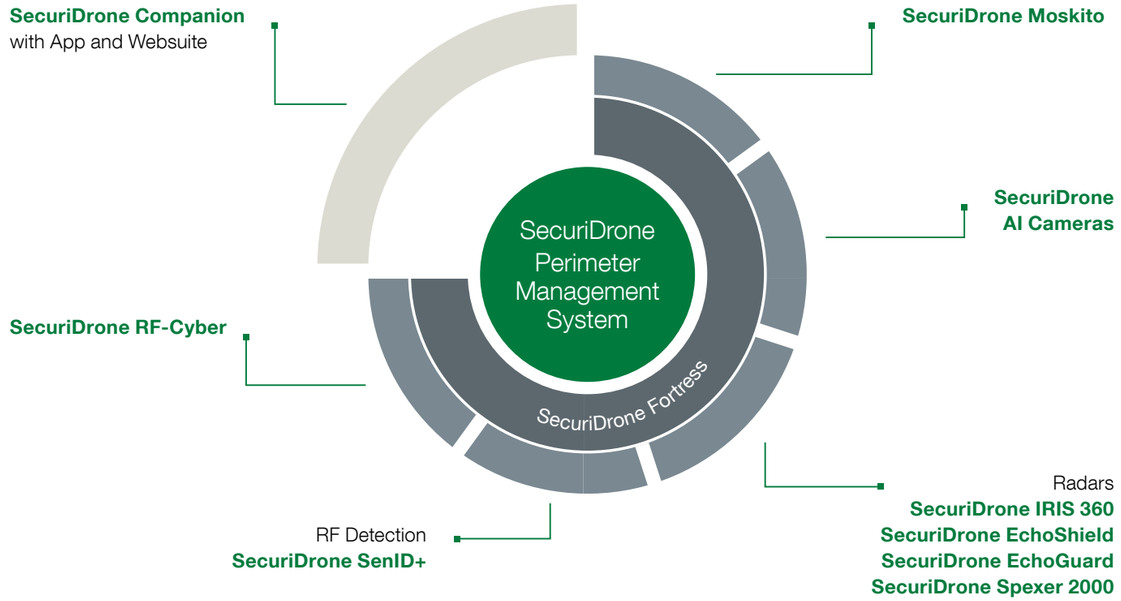
	Companion	RF-Cyber	RF Detection	Radars	AI Cameras	Moskito
Mobile	✓	✓	✓	✓	✓	✓
Fixed	✓	✓	✓	✓	✓	
Portable	✓	✓	✓			✓
Autonomous	✓					✓
Detection	✓	✓	✓	✓	✓	✓
SMART module compatible		✓	✓	✓		
Abwehr	✓*	✓	✓*	✓*	✓*	✓*
App/Websuite	✓	✓	✓	✓		
Connection to Perimeter Management System		✓	✓	✓	✓	✓

*Only organisational countermeasures possible

SecuriDrone Companion
Your rapidly deployable companion for portable, mobile drone detection.

SecuriDrone Fortress
Your static and freely scalable concept for drone detection and defence.

The control centre: SecuriDrone Perimeter Management System



SecuriDrone Fortress Go
Your mobile and flexible solution for drone detection and defence.

SecuriDrone RF-Cyber Vehicle Kit
Only visible through the antenna set, discrete high-end solution for event and mobile personal protection.

SecuriDrone Companion: ready to use worldwide in seconds

Are you looking for a drone detector that you can carry as hand luggage? Should it be easy to operate and reliable? Our SecuriDrone Companion is the solution. It detects almost all drones within a radius of up to 2 km as soon as they are switched on and notifies you immediately.

The Companion mobile drone detector really does live up to its name. It is everything a mobile companion should be: easy to carry, always in detection and recognition mode, and a reliable guardian. Continuous scanning enables your SecuriDrone Companion to detect remote controls, pilots and drones themselves immediately, even before they are in the air. This gives you the maximum amount of time to respond. The secret to our success is our SecuriDrone App/Websuite, which detects drone threats in real time and raises the alarm.

Five good reasons to use SecuriDrone Companion

1. Quick set-up
Switch on, wait a moment – your Companion is ready. Anywhere in the world, fully autonomous and in any weather and environmental conditions.

2. Overview and operation via app
Your own location and the position of the drone and the pilot are shown on a map in an iOS or Android app.

3. Easy to transport
Our portable and mobile drone detection system can be used in other civil aviation safety applications as well as by emergency services in a rucksack, in motor vehicles and even at sea.

4. Immediate alert
If a drone or its remote control is detected, a message is sent immediately to your smartphone or smartwatch. Using the app, designated persons can also be alerted via the highly secure SecuriCloud.

5. Possible follow-up
This is done via the drone's remote ID under which the owner is registered. Live flight status incl. position and speed are recorded and can then be sent by email so that authorities and institutions can deal with offences and issue penalties.

At a glance: facts and figures

Technical data	
Battery life	up to 18 hours
Charger	100–240 V power adapter (47–63 Hz)
Frequency antenna	2400–2500 MHz 5150–5875 MHz
With external antenna	additional frequency bands: 433 MHz, 866 MHz, 915 MHz and 1.2 GHz
Detection time	<5 seconds
Operating temperature	–30°C to +65°C
Protection class	IP65
Detection range	Up to 2 km line of sight, depending on RF environment
Dimensions (W × H × D)	270 × 124 × 246 mm
Weight	4.5 kg

With the help of the Securiton Smart Module, further different sensors can be integrated for worldwide mobile use.

Items supplied:

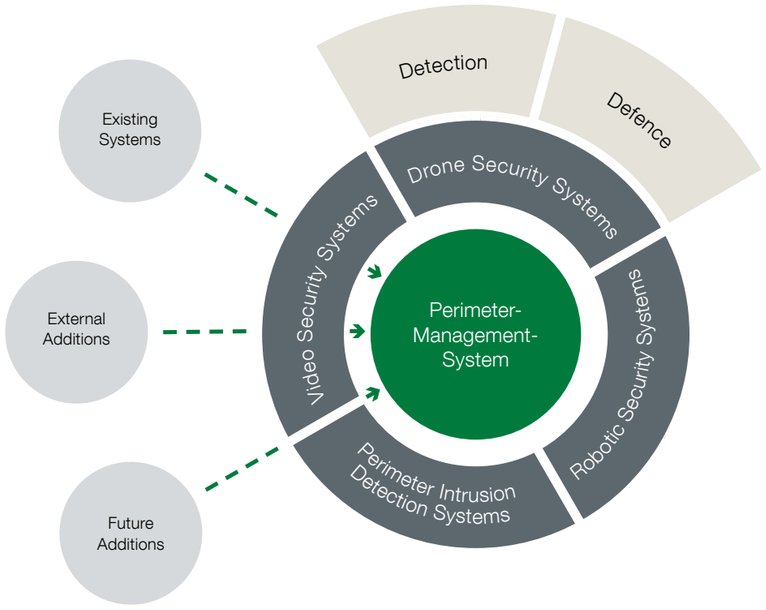
- Case with handle
- Operating instructions
- 1 × app (iOS or Android)
- 1 × SOP with backend software
- Charger with power cable and charging cable
- Illuminated LED for operating states
- Power supply and control with built-in battery
- Electronics and logic

Not included:

- Smartphone and SIM card
- Additional app licenses

The control centre in detail: SecuriDrone Perimeter Management System

The core element of our SecuriDrone Fortress and SecuriDrone Fortess Go drone security systems is the SecuriDrone Perimeter Management System. It facilitates the surveillance of the airspace close to the building by detecting drones, remote controls and other objects.



- Clear presentation of the information on a map
- Tracking of the detected object via camera
- Early suggestion of the currently best possible or available countermeasures
- 24/7 recording and synchronous playback of flight track and camera recording
- Flexible and scalable system through intelligent fusion of a wide range of sensors and effectors for detection and defence (C2)
- Connection of existing systems as well as external additions and extensions possible
- Wireless/wired connectivity (worldwide/local)

SECURIDRONE PERIMETER MANAGEMENT SYSTEM

The site plan
The information about detected objects in the airspace is visualised in a site plan, referenced in the 3D space and with a geographic location and altitude. This means that the detection and its movement can be displayed spatially in real time.

The options
A trail shows the route the detected object has taken. In addition, it is possible to have a line displayed under the detected object, visualising the altitude over the site plan and showing a possible airdrop point. During the search, this also allows the calculated point of impact to be displayed pretty accurately.

Within the system, the user can also define specific areas on the site plan as zones of special significance. Zones are three-dimensional objects with a user-defined surface area and a definable height. The event of entering the zone is then linked to a workflow that, for example, automatically performs a drone takeover without the intervention of a user.

The display
The detection is highlighted in colour to facilitate faster mapping of the alert. Additional information such as altitude, speed, object type and model name is also shown.

The alert
Events from sensors or system processes either sound new alarms or are assigned to existing alerts. As well as the site plan, alerts are displayed in an alert list that allows the user to interact with the alert and edit it.

The video streams
Video analysis with object recognition can also be activated. The video streams are based on image processing and AI algorithms. If an object is identified in the video image, this will be highlighted directly in the stream with a coloured frame. The PTZ cameras can be automatically oriented towards the detected object so that it is always in the centre of the video image. In addition, an alarm can be sounded when a video detection is made.

The drone defence
As well as integrating sensor systems to detect objects, it is also possible to integrate systems to actively defend against drones. RF cyber technology is usually recommended for a controlled takeover.

SecuriDrone Fortress: recognise the threat from the air in advance

Are you looking for a solution that recognises, localises and identifies threats from the air from the moment the remote control for a drone at a great distance is activated? Then you should try integrating this fortress into your security concept: SecuriDrone Fortress. It can be used as a static system solution in an infinitely scalable radius to keep a watchful eye over your airspace – with infrastructure, sensor integration and operations centre.

You simply feel safe in a fortress – and you will in ours too. SecuriDrone Fortress will monitor your airspace as a reliable guardian and always in detection and recognition mode thanks to continuous scanning. Drone threats from a distance are detected promptly, when the drone is switched on and before it even takes off, so that effective countermeasures can be initiated early.

Five good reasons to use SecuriDrone Fortress

1. Comprehensive tracking
Both the live position and the flight path of the drone itself, as well as the live position and the tracking trail of the remote control – both decisive attack components are detected, classified, localised, tracked and verified.

2. High-performance multi-sensor system
Whether RF cyber, RF, radar or visual, when it comes to detection, we rely on precisely those types of monitoring that are target-oriented in your specific case.

3. Controlled takeover
The safety of bystanders must be ensured. We therefore ensure that uncooperative drones are taken control of and can be landed safely in a predefined zone, without disrupting other high-frequency channels. Further defence measures such as jamming, interceptor drones or hardkill effectors are also possible via the system.

4. Top security standard
SecuriDrone Fortress is not confused by birds, balloons or children's kites. All frequencies can always be reliably captured.

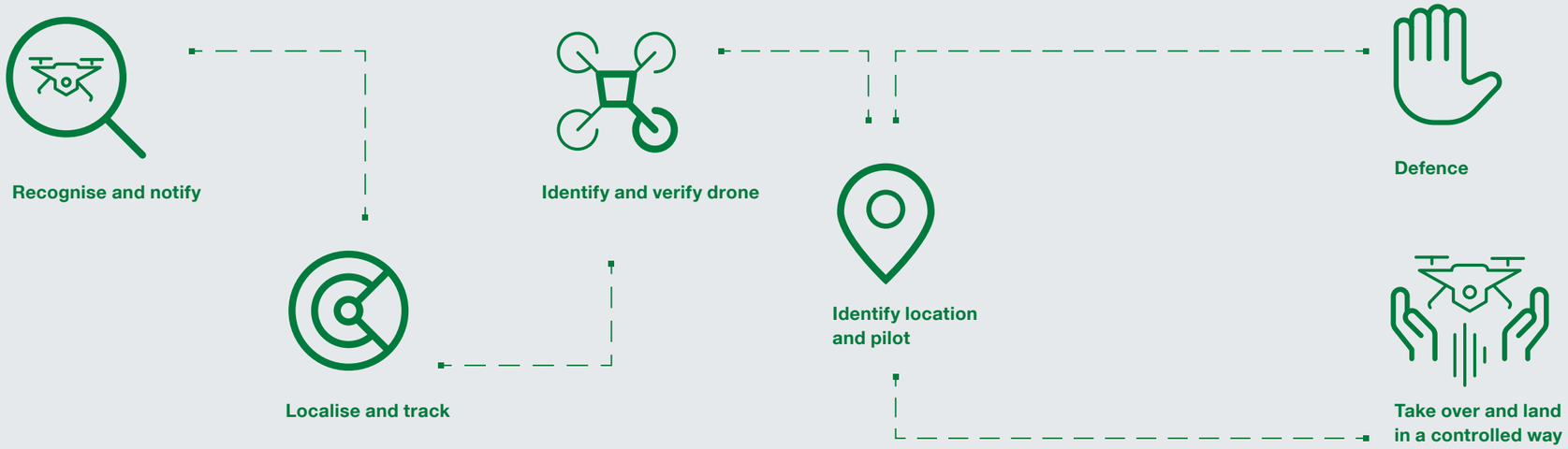
5. Variable deployment options
This drone security solution is suitable for protecting governmental buildings, prisons, business and industrial areas, power plants, airports and stadiums, for example. Furthermore, the military and authorities, as well as organisations with security tasks (BOS), e.g. police, fire brigade, ambulance and emergency services, as well as the monitoring centres of private service providers.

Other financing options are available as well as purchase and rental.

Other highlights

- Automatic tracking or manual control using moveable cameras
- 360° dome coverage
- Unique 3D UAS detection and tracking solution (drones and remote controls)
- Detects and localises an infinite number of objects at the same time to defend against drone swarms
- Video-based AI image analysis for automatic drone recognition
- Controlled takeover with RF cyber technology (geofence and landing in safe zone)
- Alert management and logging
- 24/7 unlimited recording and synchronous playback
- 3D and 2D representation: drone and pilot with
- 3D and 2D alarm zones can be defined with workflows
- Optimised for environments with high frequency occupancy
- Details such as drone type, altitude and speed, series number, etc. are displayed
- Alarm notification on mobile devices
- Scalable, modular multi-sensor portfolio with RF, RF cyber, radar, camera, defence and perimeter management software
- Individual integration of additional sensors
- Friend/foe differentiation
- Optional remote ID: recognition of the electronic identification of the drone

SecuriDrone RF cyber function chain

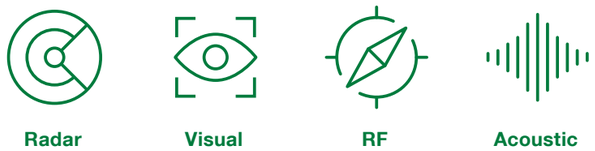


Advantages

- Maximum operational flexibility and highest performance
- Easily switch between tactical, vehicle kit, backpack and stationary
- New SDR version for optimised performance in difficult RF conditions and urban areas
- Remote connection through SecuriDrone Smart Module
- Fusion and scaling of multiple sensors

Traditional technologies with performance limits in a civil environment

DETECTION



DEFENCE

Next-generation RF cyber technology as a highly effective solution

RF cyber-detection

- Rapid GPS detection
- No false alarms
- No clear line of sight required

RF cyber-takeover

- Take over and control
- Safe landing via predefined flight route
- No signal disruption, no collateral damage

RF-Cyber Deployment kit

SecuriDrone RF-Cyber Stationary: the first choice for permanent installations

Industrial complexes, administrative buildings, correctional facilities, critical infrastructure and airports, which are often located in dense urban environments, require powerful, round-the-clock protection against high-flying and low-flying drones. Our SecuriDrone RF-Cyber Stationary is the ideal system for this application.

Advantages

- High performance thanks to the Next-Gen RF cyber technology with 360° all-round coverage
- Large detection range of up to 4.7 km and a defence/takeover range of up to 4.2 km
- Quick and easy installation on the pole bracket and extremely high weather resistance – withstands wind speeds of up to 240 km/h
- Easy transport in two lightweight and handy cases
- User-friendly configuration
- Seamless integration into the SecuriDrone Perimeter Management System

Technical Data

Weight and dimensions	12.8 kg, 39 x 52 x 12 cm (SDR) 14.5 kg (SDR with antenna) 30.0 kg, 68 x 53 x 38 cm (transport box SDR)
Frequency range	400 MHz to 6 GHz
Conformity and protection class	MIL STD 810H, MIL STD 461 IP66
Operating temperature	-30 °C to +50 °C
Directivity	Omnidirectional

SECURIDRONE FORTRESS | NEXT-GEN RF-CYBER

RF-Cyber Deployment kit

SecuriDrone RF-Cyber Tactical: flexible and fast but without compromise

Whether at ground level, on rooftops or in difficult terrain, the SecuriDrone RF-Cyber Tactical is at home anywhere that requires an effective, portable drone defence system that is lightweight and easy to mount, but also robust and resilient.

Advantages

- High performance thanks to the Next-Gen RF cyber technology with 360° all-round coverage
- Large detection range of up to 4.7 km and a defence/takeover range of up to 4.2 km
- Easy to transport thanks to 2 light and handy Pelican AIR cases
- Compact footprint, extremely stable and tool-free assembly by one person
- Minimal power consumption with powerful real-time data processing
- High user-friendliness
- Can be used worldwide with autonomous control via the SecuriDrone App/Websuite or integration into the SecuriDrone Perimeter Management System

Technical Data

Weight and dimensions	12.8 kg, 39 x 52 x 12 cm (SDR) 14.5 kg (SDR with antenna) 30.0 kg, 68 x 53 x 38 cm (transport box SDR 12.0 kg, 119 x 50 x 23 cm (transport box Tripod)
Frequency range	400 MHz to 6 GHz
Conformity and protection class	MIL STD 810H, MIL STD 461 IP66
Operating temperature	-30 °C to +50 °C
Directivity	Omnidirectional

RF-Cyber Deployment kit

SecuriDrone RF-Cyber Vehicle Kit: discreet threat protection for mobile missions

The intelligent, space- and time-saving solution for mobile and static ad-hoc use in sensitive and possibly mission-critical mobile scenarios. SecuriDrone RF-Cyber Vehicle Kit shows its full strength in the area of personal or event protection.

Advantages

- High performance thanks to the Next-Gen RF cyber technology with 360° all-round coverage
- Environment and speed-dependent operating range with detection ranges of up to
- 4.7 km and a defence/takeover range of up to 4.2 km*
- Easy installation and quick and flexible switching between different vehicles
- Shock-absorbing mount for the autonomous software-defined radio (SDR) system
- Five magnetic, omnidirectional antennas for ad-hoc installations and covert operations with deployment speeds of up to 190 km/h
- Can be used worldwide with autonomous control via the SecuriDrone App/Websuite or seamless integration into the SecuriDrone Perimeter Management System with convenient operation on a tablet

* Depending on the RF environment, line of sight and the speed of the vehicle.

Technical Data

Weight	900g (broadband antenna)
Dimensions in mm (L x H x W)	Ø 88 cm layout, 14.2 cm Höhe (broadband antenna), 11.4 x 5.8 x 18.6 cm (GPS antenna), 57.8 x 90 x 54 cm (vehicle mount bracket)
Frequency range	400 MHz to 6 GHz
Conformity and protection class	MIL STD 810G IP65
Directivity	Spherical
Operating temperature	-30 °C to +50 °C
Included accessories	RF Cyber, magnet antennas, mounting kit for SDR, Pelicase packaging unit

RF-Cyber Deployment kit

SecuriDrone RF-Cyber Backpack: comprehensive cyber functionality as a portable solution

The full range of detection, tracking, identification and cyber takeover capabilities in a backpack. SecuriDrone RF-Cyber Backpack is the compact and ultra-mobile solution for tactical and covert operations in difficult, hard-to-reach terrain or urban environments.

Technical Data

Weight and dimensions	19.5 kg, 18 x 43 x 70 cm (incl. SDR, backpack, antennas, battery und cables)
Frequency range	400 MHz to 6 GHz
Operating temperature	-30 °C to +50 °C
Battery	Type: BB2590 Lithium ION (Li-ION) Minimum: 1 battery Maximum: 2 batteries (simultanously connected) Configuration of the connection options: Hot SWAP Charger: External, 100-220V AC, 50-60Hz

Advantages

- Powerful next-gen RF cyber technology, hidden in the smallest of spaces but without compromise
- Antennas integrated into the robust fabric and comfortable, slim and lightweight construction with composite materials
- Can be used worldwide with autonomous control via the SecuriDrone app/websuite or seamless integration into the SecuriDrone perimeter management system
- Fanless operation for optimally covert operations
- Hot-swappable batteries for long operating times – up to 2.5 h of continuous operation without downtime per battery

RF-Cyber Deployment kit

SecuriDrone RF-Cyber Long-Range: when greater ranges are required

When it comes to stationary monitoring of extensive areas, the unique SecuriDrone RF-Cyber Long-Range comes into its own. Ideal areas of application are airports, extensive infrastructure areas and border areas with their diverse potential hazards.

Advantages

- No interference with other navigation and communication systems thanks to Next-Gen RF cyber technology
- Extension of the directional coverage area through certified, IP 65-compliant ultra-wideband antenna unit with IP67-compliant Wi-Fi antenna
- Easy-to-install pole mount to which the directional sensor is attached
- Designed for extreme weather environments
- Complete with multi-pin broadband RF cable connecting the SDR processing unit to the stationary antenna and GPS connector
- Seamless integration with the SecuriDrone perimeter management system

Technical Data

Weight and dimensions	12.8 kg, 39 x 52 x 12 cm (SDR) 40.0 kg, 90 x 115 x 181 cm (antenna)	
Antenna array elements	4 x Ultra-wide-band antenna 4 x dual band Wi-Fi 2.4/5.8 GHz antenna 1 x GPS antenna	
Antenna coverage angle	EL	AZ
UWB antenna (3 db)	50°	60°
Wi-Fi antenna (6 db)	2.4 GHz at 35° 5.8 GHz at 20°	2.4 GHz at 75° 5.8 GHz at 30°
Conformity and protection class	Antenna: IP65 SDR: IP66	
Operating temperature	-30 °C to +50 °C	

RF-Cyber Deployment kit

SecuriDrone RF-Cyber Maritim Kit: drone defence even at sea

Defending against drones at sea can be a daunting task, especially when ships are entering and exiting ports and operating close to shore. The ruggedised maritime extension kit provides the solution.

Technical Data

Weight and dimensions	SDR unit: 12.8 kg, 39 x 52 x 12 cm Antenna (UWB): 34 kg, 25 cm height, 47 cm diameter
Frequency range	400 MHz to 6 GHz
Operating temperature	-30 °C to +50 °C
Power supply	can be used with mains voltage or battery system
Conformity and protection class	MIL STD 810G IP65

Advantages

- Designed for harsh environments
- High-performance thanks to next-gen RF cyber technology with 360° all-round coverage
- Environment and speed-dependent range of action with detection ranges of up to 4.7 km and a defence/takeover range of up to 4.2 km*
- Easy to install and quick to move between different ships
- Shock-absorbing mount for the autonomous software-defined radio (SDR) system and an omnidirectional antenna
- Can be used worldwide with autonomous control via the SecuriDrone app/websuite or seamless integration into the SecuriDrone perimeter management system with convenient operation on a laptop or tablet

* Depending on the RF environment, line of sight and speed of the ship.

SecuriDrone SenID+: reliable drone detection with a broad view

Are you looking for a flexible, affordable sensor system to detect and localise a wide range of commercially available drones with an impressive range? SecuriDrone SenID+ is ideal for use as a mobile (backpack), tactical or stationary detection system, as well as a range-extending option for an existing SecuriDrone Fortress installation.

Advantages

- Detection and tracking of the remote ID of DJI drones with additional pilot localisation
- Compact design and extremely easy installation, fully operational within 10 minutes
- Impressive detection range of up to 25 km with an extremely low error rate
- A valuable add-on or upgrade option to SecuriDrone Fortress installations with seamless integration possibilities into the SecuriDrone perimeter management system

Technical Data

Weight and dimensions	< 8 kg, 31 x 31 cm
Sensor type	Passive RF decoding
Frequencies	ISM bands
Conformity and protection class	IP67
Operating temperature	-40 °C to +120 °C
Directivity	Omnidirectional
Power supply	PoE

SecuriDrone Radar IRIS 360: the new standard in many dimensions

When it comes to closing potential security gaps in drone defence, the SecuriDrone Radar IRIS 360 is the answer. Flying over conventional radar systems or the use of autonomous drones without radio transmission is no great challenge for the system – the ideal complement to RF cyber systems.

Advantages

- Extensive surveillance sector with a 4D radar with 360° azimuth coverage and an enormous 60° elevation coverage
- Can be used without a special permit thanks to the use of a special frequency band – even when mobile while driving
- False alarms are virtually eliminated by the innovative detection of rotor blades using a micro-Doppler function
- Even swarms of drones with hundreds of objects are reliably detected and tracked and – thanks to integration into the SecuriDrone perimeter management system and an RF cyber function chain – can ultimately be taken over and fended off in a targeted manner.

Technical Data

Weight and dimensions	25 kg, 55.4 x 62.3 cm
Sensor type	FMCW
Frequency range	X-band (8,900-9,650 MHz)
Conformity and protection class	MIL-STD-810H IP66
Operating temperature	-40 °C to +65 °C
Detection range	up to 4 km (dependent on drone type)
Accuracy range	0.6 m

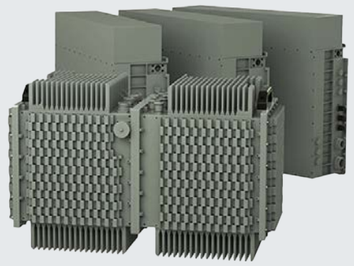
SecuriDrone Radar Spexer 2000: multitasking thanks to AESA technology

The Spexer 2000 radar was developed to support military operations, protect critical infrastructure and secure border lines. The system uses the latest technologies and an electronic beam control based on active electronically scanned array technology (AESA).

Advantages

- Simultaneous surveillance of sea, land and low-level airspace in all weather, atmospheric and climate conditions
- Suitable for fixed, transportable and mobile use (e.g. on a tower, a tripod or in a vehicle)
- High Doppler resolution for automatic target classification and differentiation between target and interference signals
- Excellent detection capability of very small, very slow and very fast targets
- Highly precise target tracking information, e.g. for automatic camera control
- Integrated build-in test equipment (BITE) for monitoring the system status
- 2D or 3D detection capability with up to 90° elevation coverage
- Lightweight and compact dimensions for easy transport and deployment as well as vehicle installation (SWaP-C antenna technology)

Technical Data	
Weight and dimensions	36 kg, 70 x 50 x 20 cm
Sensor type	Pulse-Doppler radar based on AESA technology
Frequency range	9.2-10 GHz
Conformity and protection class	MIL-STD-810H, MIL-STD-461
Operation	under all weather, atmospheric and climate conditions
Detection range	up to 5 km (dependent on drone type) up to 20 km (for persons and vehicles)



SecuriDrone Radar EchoShield & EchoGuard: advanced cognitive Pulse Doppler radars

The compact 4D radar system SecuriDrone sets new standards in drone detection: it precisely records the position, flight direction, altitude and speed of drones and, thanks to AI-based target classification, offers automatic filtering of unwanted objects. This ensures that the focus is specifically on potential threats, thus guaranteeing maximum security.

Advantages

- Half-degree tracking accuracy through ultra-precise ESA beamforming combined with dynamic waveform synthesis
- Reliable classification over long distances through micro-Doppler-based object inspection
- Automatic determination and display of the exact position, flight direction, altitude and speed of the drone
- AI-based filter for targets that are not to be tracked, in order to be able to focus on potential threats
- The EchoGuard detects all ground and air threats in virtually all climates, day and night. The 3D unit provides exact coordinates, enabling the camera to be automatically controlled to the selected object.

Technical Data	EchoShield	EchoGuard
Weight and dimensions	17.8 kg, 33 x 42.5 x 18 cm	1.25 kg, 20.3 x 16.3 x 4 cm
Sensor type	Pulse Doppler radar	SWaP 3D radar system
Frequency range	15.4-15.7 GHz, 15.7-16.6 GHz	24.05-24.25 GHz
Conformity and protection class	MIL-STD-810H IP66	IP67
Detection range	up to 6 km (dependent on drone type) up to 11 km (for persons and vehicles)	up to 1.2 km (dependent on drone type) up to 3.5 km (for persons and vehicles)
Accuracy range	<0.5° Azimuth and elevation	<1° Azimuth and < 1.5° Elevation

SecuriDrone Cameras: surveillance with all the senses

In addition to the sensor systems presented, camera systems are the ideal supplement for seamless surveillance of the airspace. Besides the fixed – usually extremely high-resolution – models, flexible PTZ models are able to independently track approaching drones after detection.

Advantages

- An important visual and thermal verification system for integration into the SecuriDrone perimeter management system with differently designed camera models
- In addition to pure drone identification, the optical integration offers an essential option for detecting dangerous goods at an early stage
- Besides transmitting the coordinates of the sensors to the camera, the PTZ cameras have an algorithm that can track both the object and the pilot
- Depending on customer requirements, further cameras or radar systems can be integrated into the surveillance solutions at any time

SecuriDrone Camera PTZ Bi-Spectral

SecuriDrone Camera PTZ EO/IR

SecuriDrone AI Cameras: fully autonomous classification and tracking

The SecuriDrone VisionFlex and VisionPace AI cameras offer highly dynamic target tracking for drone defence missions. They impress with precise PTZ control and AI-supported tracking, and MWIR and EO sensors enable autonomous classification and tracking of uncooperative drones.

Advantages

- Superior dynamic performance with the ability to keep track of fast-moving targets
- Ultra-high accuracy with laser range finder
- Comparatively lightweight
- Cost-effective and exportable (ITAR exempt and dual use)
- Twin AI for fast and automated classification and fully autonomous tracking (slew-to-cue)
- Modular configuration of additional sensors and effectors
- On-the-move (OTM) and vehicle configurations possible

SecuriDrone Camera PTZ VisionFlex

SecuriDrone Camera PTZ VisionPace

SecuriDrone Moskito: the lightweight with a vision

SecuriDrone Moskito is the ideal companion for mobile use in on-site situation awareness. As a lightweight and robust multifunctional device for observation, situation assessment and target detection, it can be optimally integrated into the perimeter management system as a subsystem.

Advantages

- The position of the Moskito with exact GPS coordinates and laser range measurements are displayed directly on the site plan of the perimeter management system.
- It has an AI that can track both the object and the pilot.
- In addition, a low-light camera and thermal imager can be integrated as a video stream.
- Position, measurements and video streams are recorded and can be viewed again using the playback function.

Technical Data

Weight and dimensions	1.4 kg 19.8 x 20.3 x 9.6 cm
Enlargement/zoom	6-times (daytime) 36-times (low light) 18-times (thermal)
Sensor type	Color picture Low light (CMOS) Heat (thermal)
Image resolution	1280 x 1024 px (low light) 640 x 480 px (thermal)
Power supply	L91 AA lithium battery
Operation time	6 h with battery status

SecuriDrone App/Websuite: keep an eye on things while you‘re on the go – worldwide

If the focus is on self-sufficient action, speed and flexibility on site, the SecuriDrone App/Websuite is the right choice. With the help of the Securiton Smart Module, a wide range of different sensors can be integrated in any number, essential information for the operation can be read and functions can be controlled.

Advantages

- The app can connect to the SecuriDrone systems either via the SecuriCloud or directly via Wi-Fi, regardless of location and worldwide
- Ideal add-on for SecuriDrone Fortress Tactical, Vehicle Kit and Backpack, as well as for other portable sensor systems
- Real-time display of, among other things, the type of drone, its labelling (serial number/remote ID), flight path, distance, altitude and speed, as well as its position on various maps
- Defence and takeover of detected drones, as well as recording of flight data to secure evidence in the context of criminal prosecution

Are you missing other options for mobile use?
Then ask us about the Securiton perimeter management system and browser-based use on a tablet.

Technical Data

Platform	App/web suite (browser)
Connectivity	Mobile network/Wi-Fi
Situation report	2D
Recording	Recording of alarms and playback
Scalability	Fusion & multi-sensor
Flexibility	Integration of sensors and effectors for every need
Operation	Security forces on site, mobile access for journey to pilots

SecuriDrone Fortress Go: always on the scene where there is a threat of danger

Are you looking for a flexible solution that you can implement rapidly precisely where you want to protect yourself from threats from the air on a temporary basis? What's more, you don't want to have to make any compromises on performance in comparison with static system solutions? Then make the SecuriDrone Fortress GoI with its extendable masts your mobile guard – it always has everything in its sights. It recognises, localises and identifies a drone in an infinitely expandable radius as soon as the drone is activated – before it even takes off. Even the remote control can be detected and localised as soon as it is switched on – before the drone is activated – so that even the take-off of the drone can be prevented.

A guard should be one thing above all else: attentive. And this is exactly what you can rely on when it comes to our SecuriDrone Fortress Go. Wherever you place it within the perimeter of the protection zone, it is always in detection and recognition mode thanks to continuous scanning and is also equipped with a complete operations centre. The integrated camera allows you to keep an eye on everything on two monitors from the comfort of the air-conditioned tech room and you will be immediately informed of any threats identified with an alarm signal.

Three good reasons to use SecuriDrone Fortress Go

1. Variable deployment options
This mobile system with an operations hub is ready to deploy wherever you need it. A power supply is included, meaning that the system is self-sufficient – a huge advantage for temporary deployment at events or political events.

2. Simplicity is key
Both with the fact that it takes under an hour to assemble or disassemble and the ease of use mean that the SecuriDrone Fortress Go makes it easy for you, as it is fast to deploy. From the RF-Cyber deployment kits to the radar systems and the SecuriDrone Mosquito – anything is possible.

3. Flexible configuration
Rent or buy – both are possible. Furthermore, the SecuriDrone Fortress Go can also be scaled up for wider deployment as needed. Simply contact us – we will always find a suitable solution for you.

Important to know:
When it comes to the multi-sensor system, reliable detection feature and controlled takeover function, you can of course also rely on the same reliable performance as with our static solution, the SecuriDrone Fortress.

Technical data

Tandem trailer	▪ Permitted total weight 2,000 kg ▪ Base weight approx. 1,300 kg
Cabin	▪ Fully-functional operations centre with drone security and video surveillance system ▪ Remote control possible (see connectivity) ▪ Heating and roof fan ▪ LED lighting (interior and exterior)
Trailer specifications	▪ Roof and walls: FRP sandwich panels with optional branding ▪ Frame components: welded and galvanised ▪ Telescopic mast with remote control ▪ Storage space with shelving system for camera equipment etc.
Size	▪ Overall dimensions incl. trailer attachment (L × W × H): 4.70 × 1.85 × 2.70 m ▪ Trailer box (L × W × H): 3.20 × 1.85 × 2.70 m ▪ Height of trailer floor: approx. 72 cm ▪ Telescopic mast: retracted 1.67 m, extended 5.30 m
Power supply	▪ Mains connection 1 × 230 V CEE 3-pin connectors on a Schuko plug (length: 1.50 m) ▪ External electricity generator (alternative: fuel cells for soundless, self-sufficient operation) ▪ Emergency power supply 4 × 12 V/108 Ah batteries (for up to four hours of operation)
Connectivity	▪ RJ45 exterior ▪ RJ45 and glass-fibre single-mode LC interior ▪ LTE router (3G/4G)

Extra. Safe.

SECURITON

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