

Extra. Safe.

An aerial photograph of a power plant with several tall smokestacks and large industrial buildings. A drone is flying in the sky, emitting a yellow hexagonal grid that covers the plant area, representing a detection or interception zone. The background shows a body of water and wind turbines.

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

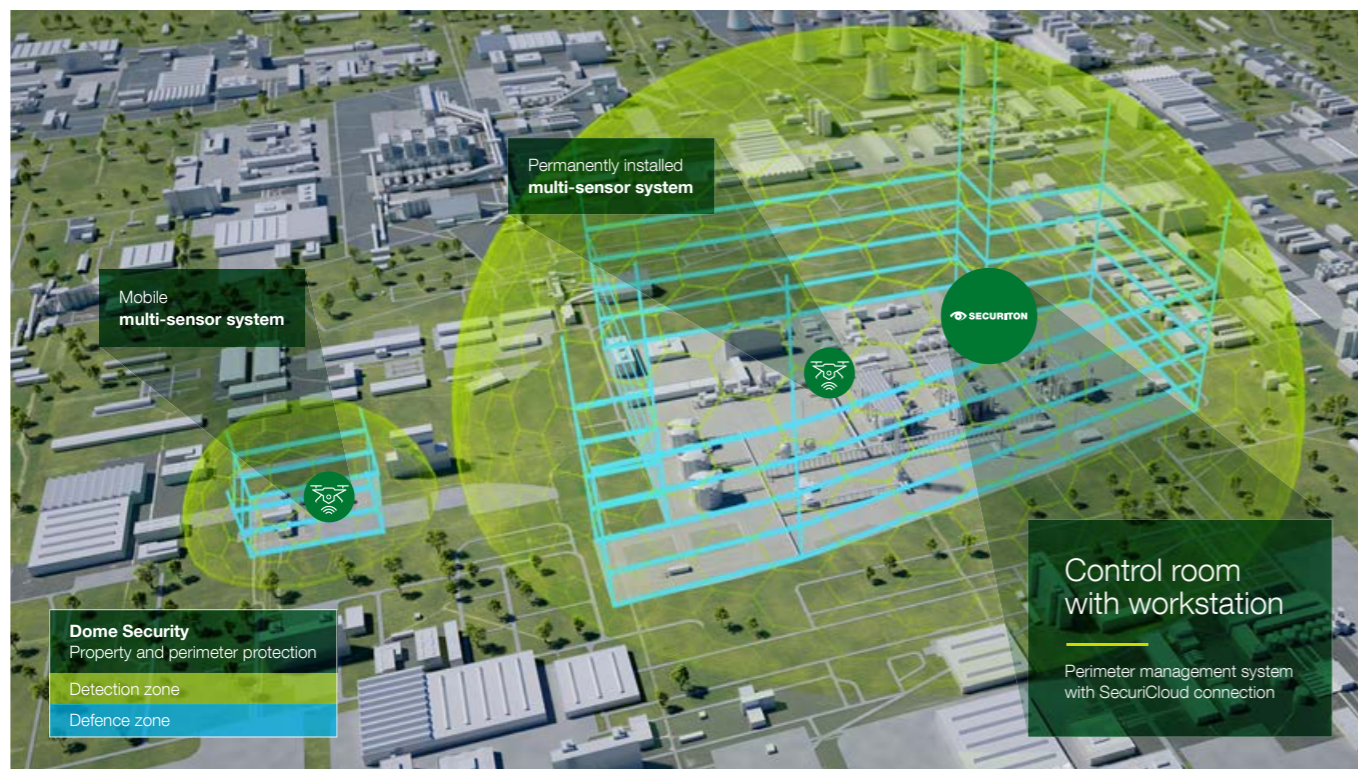
If a drone is successfully detected, all relevant coordinates and data will be visualised on a 3D site map for you, so that you can initiate proactive countermeasures as early as possible. Among other things, the position of the drone and pilot, flight path, altitude and drone type are supplied.

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.

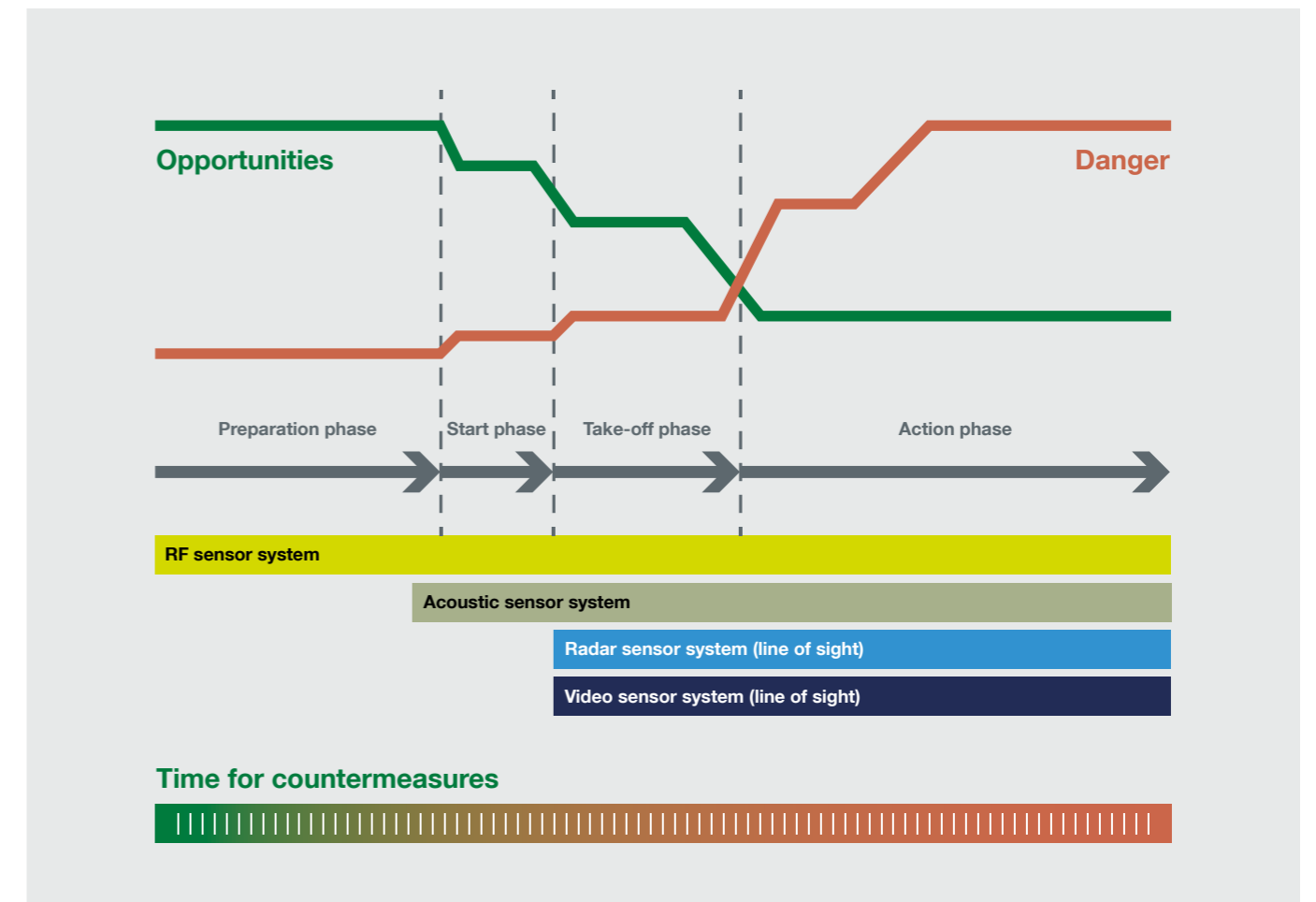
Holistic property and perimeter protection

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

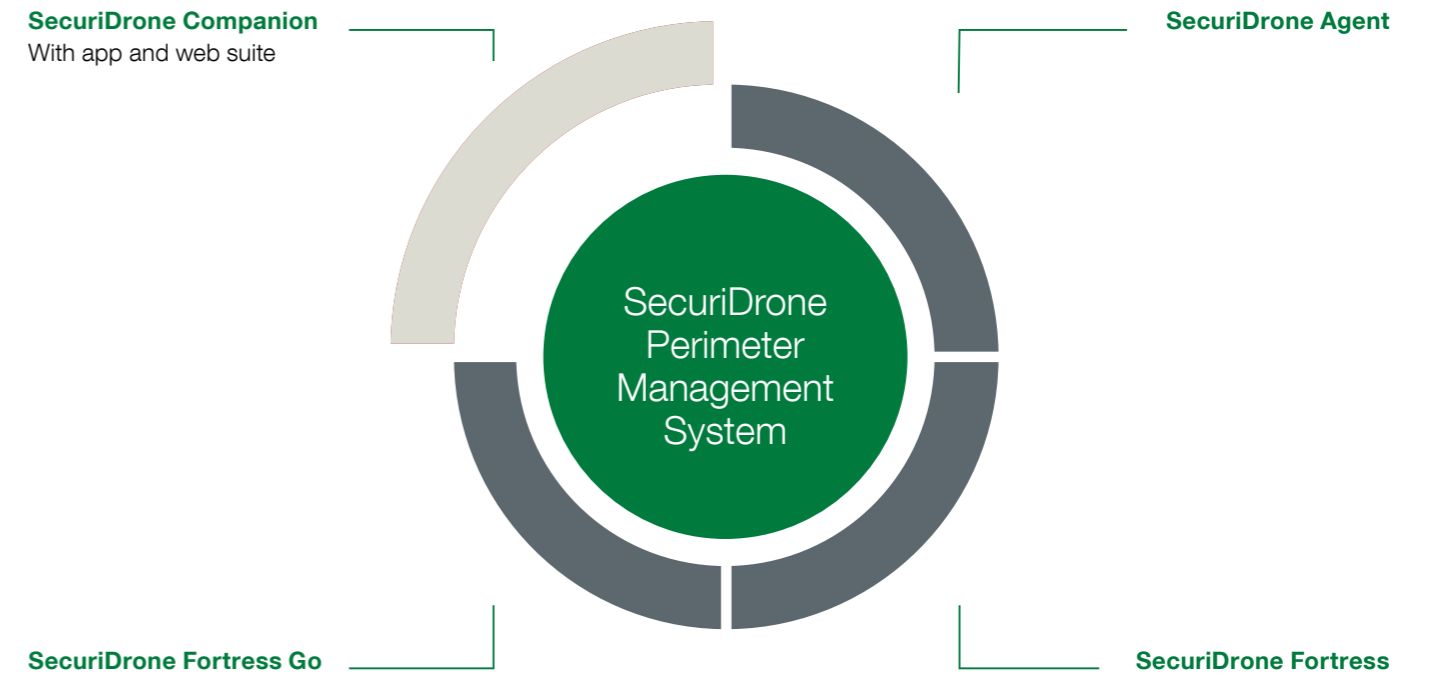
We offer you drone security systems that precisely match your requirements. We will present them to you in detail on the following pages. Here you can see our systems in a direct comparison:

SecuriDrone systems

	Companion	Fortress Go	Fortress	Agent
Mobile	✓	✓		
Fixed			✓	✓
Portable	✓			
Autonomous	✓	✓		✓
Detection	✓	✓	✓	✓
Video surveillance		✓	✓	✓
Defence	(✓)*	✓	✓	✓
App	✓			
Desktop	✓	✓	✓	✓
Connection to Perimeter Management System		✓	✓	✓

* Only organisational countermeasures possible.

The control centre: SecuriDrone Perimeter Management System



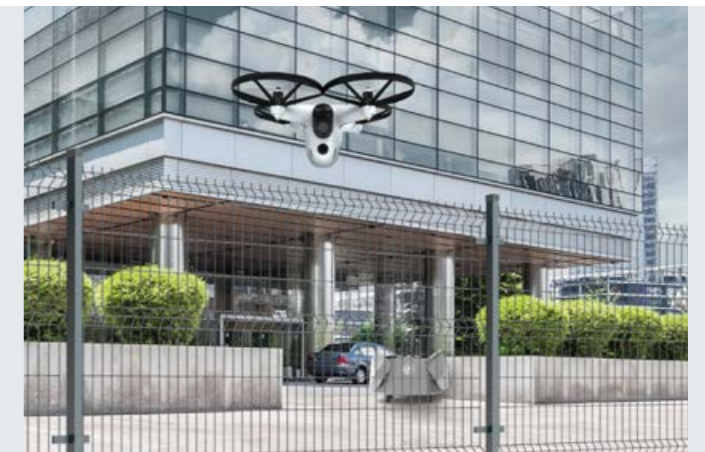
SecuriDrone Companion
Your rapidly deployable companion for portable, mobile drone detection.



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



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



SecuriDrone Agent
Your ever-available operational drone for alarm situations and surveillance flights.

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 Companion app, 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 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 2,400–2,500 MHz
5,150–5,875 MHz

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



Items supplied:

- Case with handle
- Operating instructions
- 1 × app (iOS 14.3/Android 10 and above)
- 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

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 Go 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 SecuriDrone Fortress Go makes it easy for you, as it is fast to deploy.

3. Flexible configuration

Rent or buy – both are possible. Furthermore, 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	<ul style="list-style-type: none"> Permitted total weight 2,000 kg Base weight approx. 1,300 kg
Cabin	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> Overall dimensions incl. trailer attachment (L x W x H): 4.70 x 1.85 x 2.70 m Trailer box (L x W x H): 3.20 x 1.85 x 2.70 m Height of trailer floor: approx. 72 cm Telescopic mast: retracted 1.67 m, extended 5.30 m
Power supply	<ul style="list-style-type: none"> Mains connection 1 x 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 x 12 V/108 Ah batteries (for up to four hours of operation)
Connectivity	<ul style="list-style-type: none"> RJ45 exterior RJ45 and glass-fibre single-mode LC interior LTE router (3G/4G)

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 vital attack components – are detected, localised and displayed using AI and video.

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.

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.

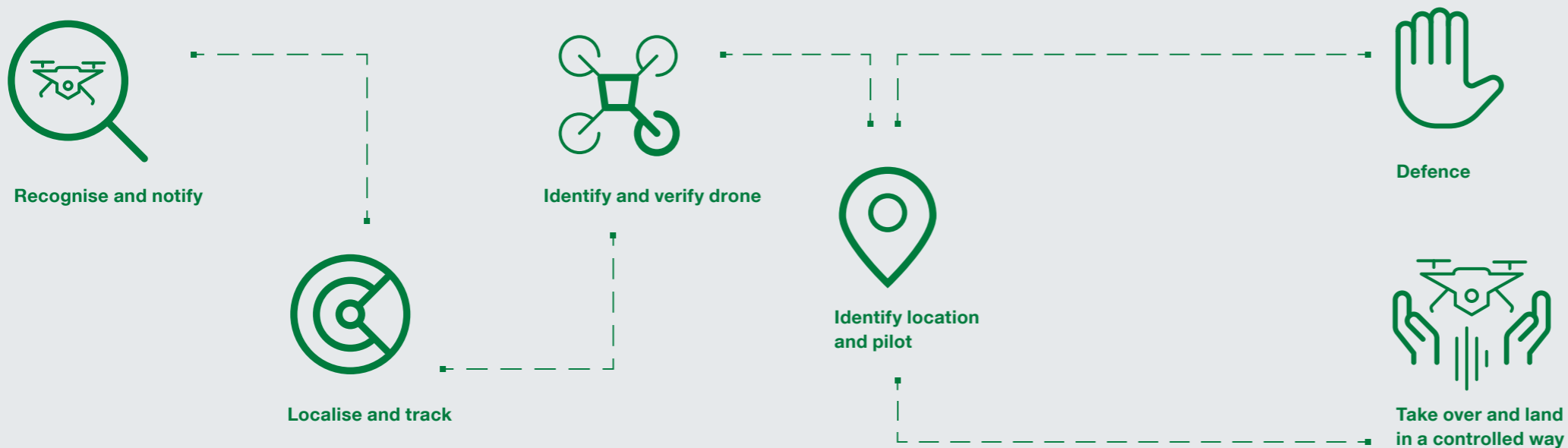
Other financing options are available as well as purchase and rental.

Other highlights

SecuriDrone Fortress and SecuriDrone Fortress Go:

- 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
- No jamming, no collateral damage

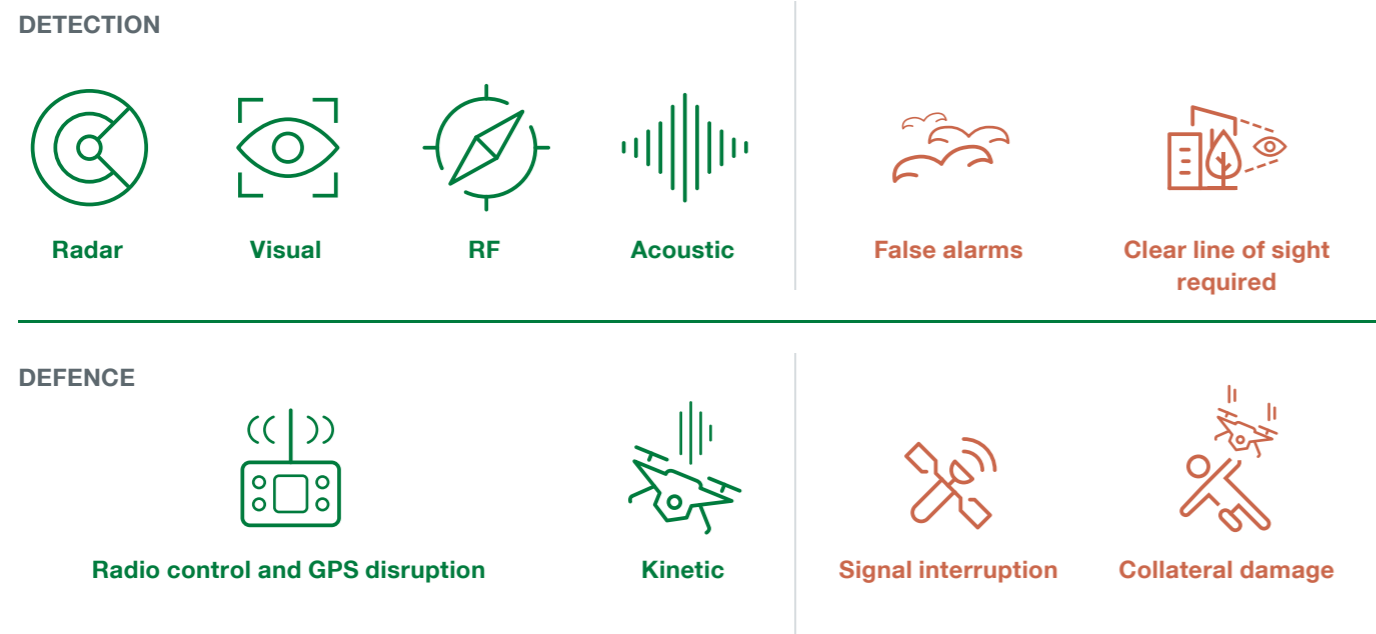
SecuriDrone RF cyber function chain



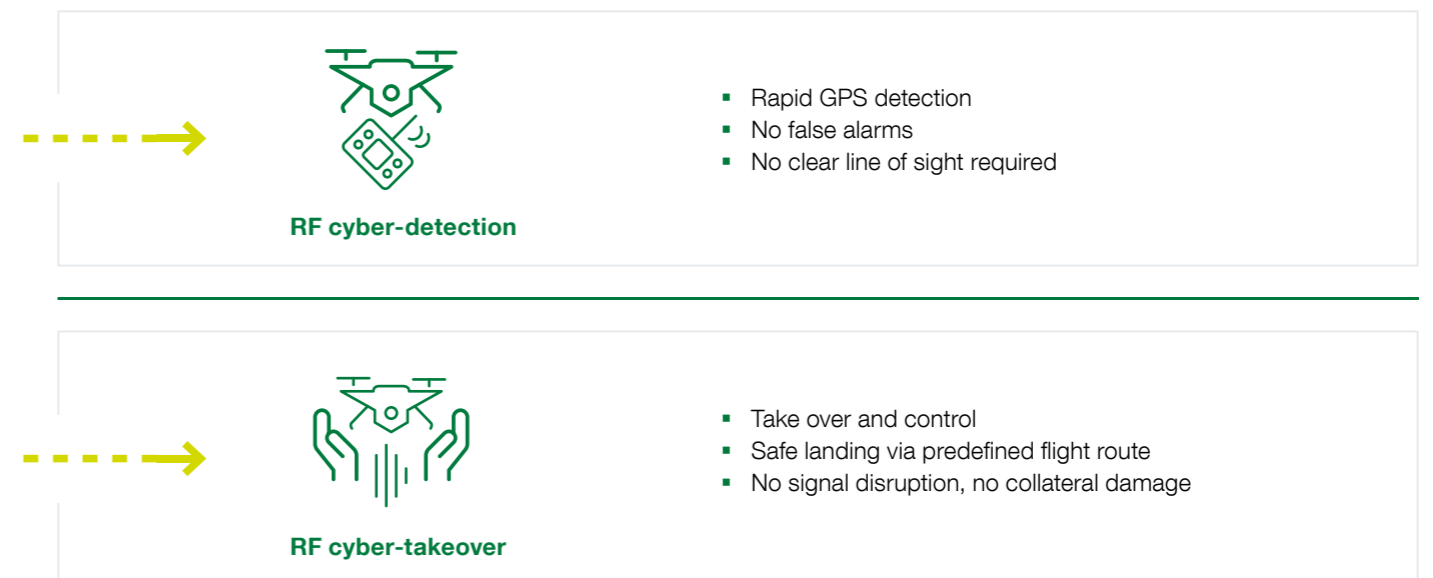
Advantages

- The system recognises, localises and identifies drones and facilitates a controlled takeover so that they can be landed in a predefined zone.
- The long-range camera allows precise verification.
- Only a single sensor is needed for detection and controlled takeover, making less infrastructure necessary.
- The information is presented clearly on a map so that countermeasures can be initiated at an early stage.
- Within the software, you can activate a virtual wall through which drones will enter a so-called failsafe mode with the following options: from a geographical boundary, the drone will land or fly back to its starting point, or simply hover in the air.
- The targeted approach ensures that no other high-frequency channels are disrupted.
- False alarms are excluded, meaning there is a focus on genuine threats.

Traditional technologies with performance limits in a civil environment

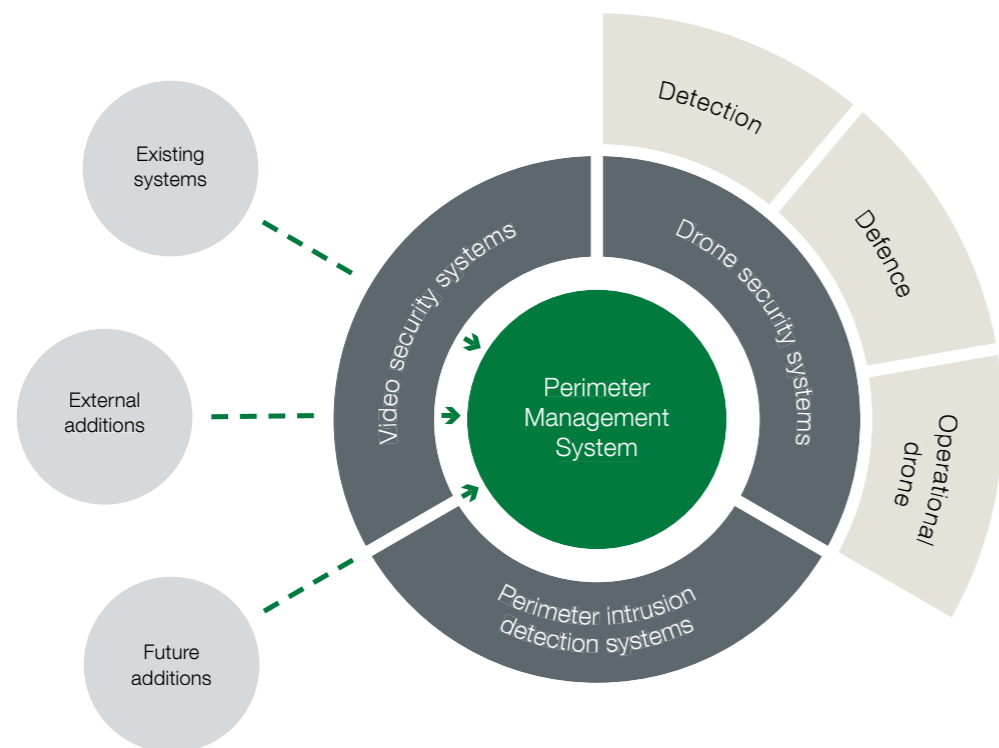


Next-generation RF cyber technology as a highly effective solution



The control centre in detail: SecuriDrone Perimeter Management System

The core element of our SecuriDrone Fortress and SecuriDrone Fortress 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.



Your advantages:

- Clear presentation of the information on a map
- Tracking of the detected object by a camera
- Possible early initiation of countermeasures
- Continuous recording of all events (critical for subsequent analysis and research)
- Integration of various sensor types
- Link to existing systems and external supplementary systems and extensions possible

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 zone breaching event is then connected with the existing detection alarm and the zone will be displayed in the case of an alert.

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

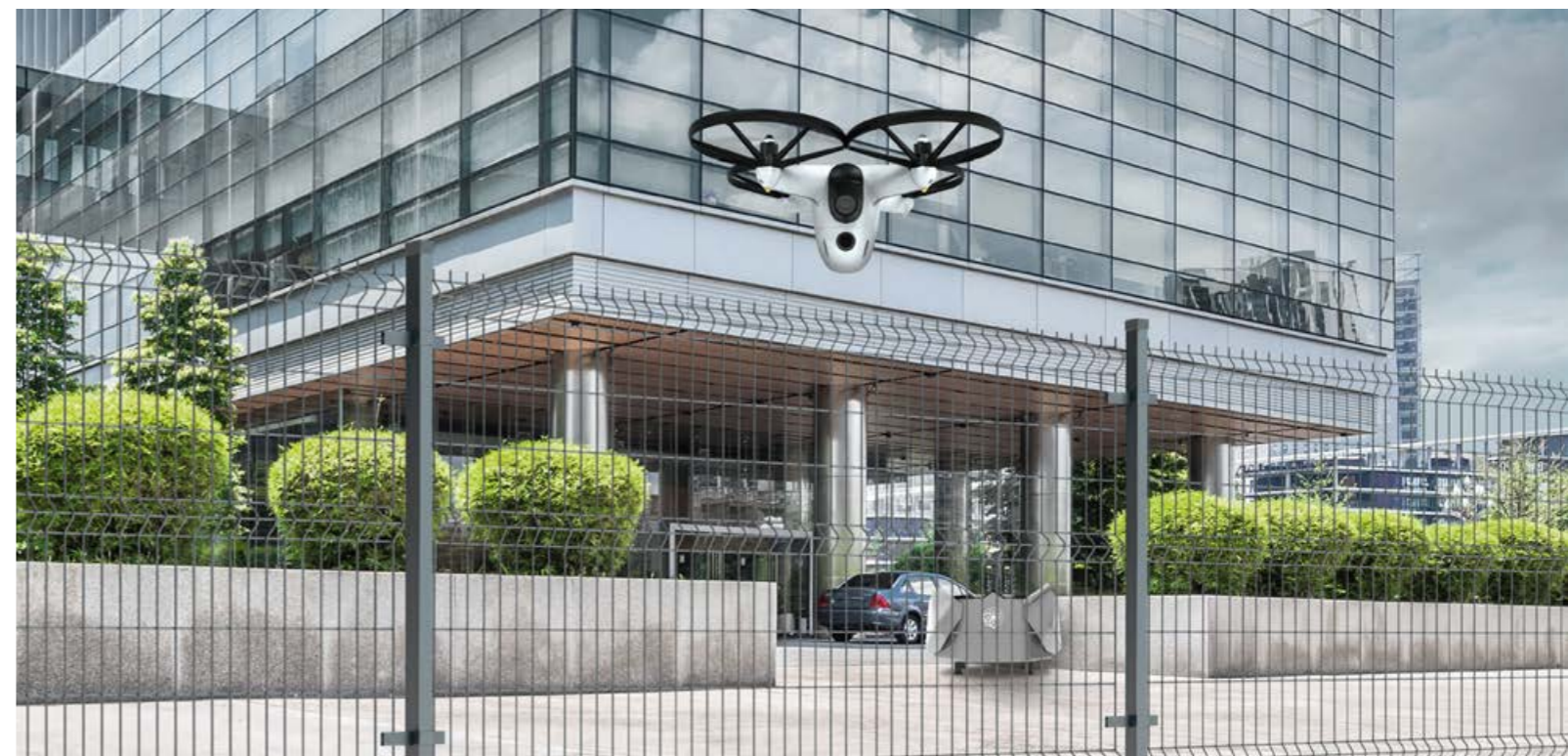
As well as integrating sensor systems to detect objects, it is also possible to integrate systems to actively defend against drones. RF cyber technology is usually recommended for a controlled takeover.



SecuriDrone Agent: a faster response where you need it

Looking for an operational drone that is always on standby to protect your property and perimeters? Need a robotics solution that enables you to plan reliably and make sound decisions? Then your security team needs a new “agent” – one that flies from your central drone hangar to wherever it is needed or where there is a threat of danger.

Once your SecuriDrone Agent is deployed, it performs the tasks you have defined for it. In short: it reports, monitors and clarifies situations, and is extremely robust and reliable. When sensors report unauthorised persons in your defined controlled area using artificial intelligence (AI) and other technologies, the drone flies immediately to the specific incident location to clarify the situation. A continuous live stream is also broadcast to your control centre via a video link. Likewise, individuals are tracked fully automatically, triggered by AI.



Five good reasons to use SecuriDrone Agent

1. Always on duty

There are no duty rosters or sickness-related absences for this agent. Your SecuriDrone Agent is available 24/7 and supports security personnel effectively.

2. At the scene quickly

In hazardous situations, every second counts – and speed is one of the biggest advantages of the SecuriDrone Agent. This flying operational drone is guaranteed to get to a danger zone faster than a human being can. Even over long distances.

3. Fully automated tracking

Loaded with artificial intelligence, the SecuriDrone Agent can not only identify the person posing a threat, but also pursue them in a predefined area. Just like a real agent. It is also suitable for use as an active deterrent for intruders.

4. Can be used for surveillance flights

You can also send your SecuriDrone Agent on geographically referenced surveillance flights to monitor specific areas. Manually controlled or automatically programmed – whichever you prefer. A key feature is the centralised operation and monitoring, which is enabled via the drone's integration into your perimeter management system – the core element of the overall security structure. If an alert is triggered by a fence or video detection, for example, a message is sent to the perimeter management system and the SecuriDrone Agent immediately flies to the coordinates of the danger zone.

5. Ready to go right away

You don't have to train your new operational drone – after a simple installation process, it is ready to use. All you need are an internet connection and a power supply, and the drone is ready to go.

All the details at a glance: Technical data

Drones

Weight (incl. battery)	1.56 kg
Total size (including protective guard)	48 × 48 × 21 cm (57 cm diagonally)
Operational flight time	Up to 20 minutes
Resistance to gusts	30 km/h or 8.3 m/s
Operating temperatures	-10°C to +40°C
Camera sensor	1080 p sensor with high sensitivity in low light
Charging time	Up to 20 minutes

Hangar

Dimensions when open	98 × 80 × 63 cm
Power supply	110 or 230 V
Run time with backup battery	Up to 1 hour
Connectivity	Wi-Fi and Ethernet + optional LTE modem
Operating temperatures	-20°C to +50°C

Extra. Safe.



Securiton Germany

Alarm and Security Systems

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