

Robotics technology Deployment in security services

Tailor-made solutions
for every security application



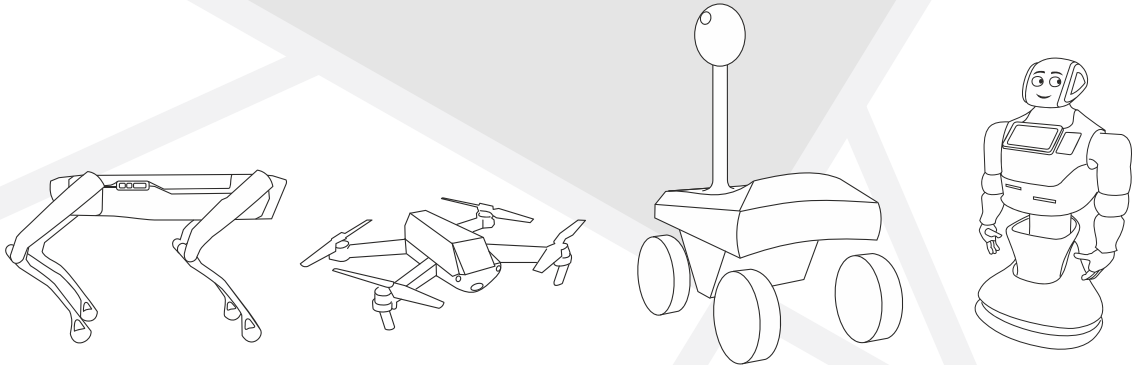
Make
the most
of our
expert
support



We lead the way

The Security Robotics portfolio

The Security Robotics portfolio currently comprises four product types, one of which is already in use today



From first analysis to ongoing support

We are with you from the start

Security Robotics begins every project with a security analysis, because every situation brings a different set of requirements and calls for specific protective measures. We discuss the optimal security measures with you as partners and plan how autonomous technology will be deployed.

Of course, Security Robotics' services extend far beyond the initial deployment: we are here to support you continuously, around the clock.

We create bespoke technology

Proprietary software from our in-house specialists

Rather than merely buying robots, we have in-house specialists who write our own software – tailor-made for the respective site and purpose of deployment.

During the development process, our programmers, IT specialists and security industry experts work together with specialised universities to leverage the full potential of machine learning. With the help of real-time video analysis, security robots are able to operate in areas that used to be the preserve of science fiction.

Of course, any data collected is only processed and stored in accordance with the GDPR and German privacy legislation.

We lead the way – in security

Security Robotics sets the course for an entire industry

Since its inception, the software and hardware specialist Security Robotics has proven that innovation and progress bring great opportunities for the security sector.

The tech company builds on a combination of cutting-edge technology and personnel trained beyond industry stan-

dards. In the broadest sense, the company continually strives to improve its own capabilities.

Security Robotics teams comprise specialists in programming, IT, security and services, all of whom bring many years of successful experience and market expertise to the company's activities.

Four legs, countless possibilities

All-terrain robot for small to medium-sized sites

Security Robotics

The tech company Security Robotics is a leading provider of advanced robotics technology.

As a driver of innovation, Security Robotics sets new benchmarks and offers services today that will be considered industry standard in a matter of years.

The robots have been developed for a wide range of applications. Each robot type has its own speciality – from monitoring and measuring facilities, buildings, machinery and terrain to access control and intelligent solutions for reception areas.

The quadruped robot from Security Robotics is your new all-terrain colleague. It is resilient, learns in a matter of milliseconds and is connected to a security network at all times. It can be deployed in a variety of ways – from standing guard to inspecting buildings and surveying facilities and properties. The robot has reliably demonstrated its abilities in settings such as the radioactive Chernobyl Exclusion Zone and a number of oil platforms.





Comfortable on any terrain

As well as walking forwards, backwards and sideways, the robot can go up and down curbs and steps. It safely navigates almost any terrain, whether tarmac, metal, gravel or grass.



Knows no fear, but recognises danger

A high-resolution, 360° all-round camera and ultra-bright LED light help the robot and operators at the connected control centre to detect changes in the environment. It is equally adept at recognising people and objects.



Comfortable in hostile environments

The quadruped robot feels right at home in environments that are dangerous for humans. Extreme temperatures, radiation and gases pose it no threat. And as it makes its rounds, it can even transport a load of up to 14 kilograms.



Highly alert, precise and artificially intelligent

Its Light Detection and Ranging system (LiDAR) relies on the reflection of electromagnetic waves. Using LiDAR, the quadruped robot can read instruments, measure space and even map its environment – to the nearest millimetre, without a hint of fatigue.



Compact size, high performance

The quadruped robot is not only impressive on open terrain, but also in places where humans can't move around, such as restricted zones and confined spaces.

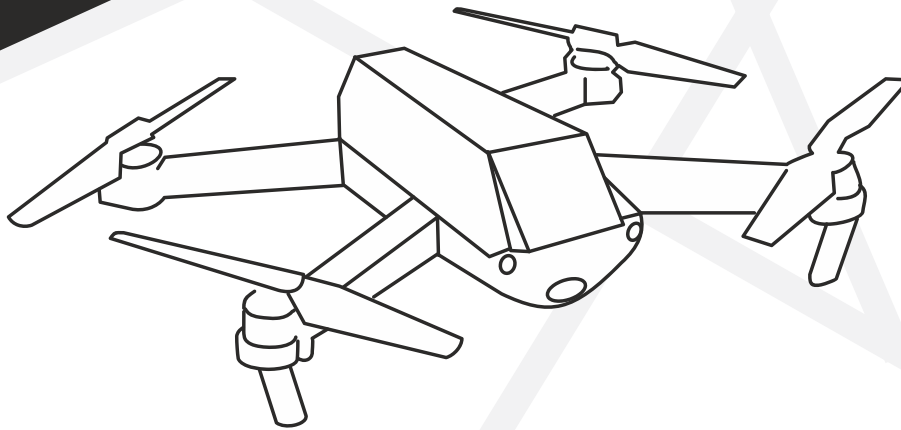


Eager to learn in a matter of milliseconds

Dynamic algorithms help the robot to draw lessons from every situation it encounters. If the control centre gives the all-clear for a certain object, for example, the robot will no longer sound the alarm when it detects it in the future.

The benefit of a bird's eye view

For medium-sized to large sites,
regardless of terrain



The drone's capabilities

- On the scene in an instant
- Reduces false alarms thanks to artificial intelligence
- Secures evidence by video recording
- Can secure large areas from the air (approx. 100 km 24 hrs)
- Detects intruders even in poor visibility thanks to thermal imaging camera
- Reliably reports to the connected control centre

Aerial monitoring

is among the most effective protection methods of all. Frequent and unpredictable aerial patrols detect and report intruders or anomalies reliably and quickly – while also securing evidence thanks to intelligent video analysis.

Checking on triggered alarms

is a popular use of drone technology. For instance, if a sensor on a fence reports movement, a drone can be automatically dispatched to the alarm location to give clarity on the situation via live video.

Intelligent monitoring with great stamina

For medium-sized to large sites,
regardless of terrain

The wheel-driven robot's capabilities

- Patrols the site fully autonomously, around the clock, following predefined routes
- Detects people and faces thanks to intelligent video monitoring (camera at eye level)
- Recognises people from up to 30 metres away
- Works alone or in a team with other robots
- Provides 360° video monitoring in panoramic mode, even over obstacles
- Emits acoustic warnings and enables communication through an intercom system
- Has sufficient all-terrain capability even on unpaved roads (soft rubber tyres and high-performance suspension)
- Scans its surroundings even in the dark using infrared and thermal imaging cameras
- Delivers recognisable photos of faces from up to 100 metres away
- Transmits ONVIF videos and reports over 4G or Wi-Fi networks
- Operates in temperatures from -25 °C to 45 °C
- Reliably reports to the connected control centre

Your team on patrol:

These wheel-driven robots are the high-endurance solution for smartly monitoring your site around the clock. The robots are also capable of covering long distances, powering up at charging stations and completing their rounds with the utmost reliability.

Even after dark

they reliably detect and report any irregularities using infrared and thermal imaging cameras. The robot goes on patrol autonomously, but is equally comfortable working in a team, assisted by AI algorithms and big data analysis.



Always at your service

Friendly, autonomous, intelligent

The digital receptionist's capabilities

- Responds when addressed and communicates with your visitors in many languages
- Recognises faces and reacts to touch
- Comes with a built-in touch display
- Moves around autonomously when desired
 - Issues admission tickets, coupons and access cards
 - Serves as a payment terminal
 - Automatically finds its way to the charging station



The first impression counts

With the digital reception service from Security Robotics, you are providing your guests with a competent first point of contact and guide. The friendly robot greets visitors face to face, covers routes autonomously and has the latest technology on board. In addition, it reacts to movements and makes visitor registration an enjoyable experience.

Thanks to its integrated printer, it can also create visitor passes and ID cards.

Competent in the world's most spoken languages,

the digital reception service can also assist with automated building access management, ensure a friendly check-in, verify visitor IDs on site or act as an eye-catching orientation guide.

Security for facilities, properties, people and data

The use of Security Robotics products leads to new questions concerning the handling of data. Discretion and trust form the bedrock of our business, and of course Security Robotics works in accordance with the strict requirements of the GDPR and German data protection regulations. Our security and IT

specialists draw on many years of experience – often involving sensitive data from Germany's federal and state governments.

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