



***We lead the way***

SecurityRobotics:

# *Software specialist for artificial intelligence (AI) and robotics*

SecurityRobotics controls and networks end devices with an intelligent security platform and implements it in existing infrastructures. SecurityRobotics provides robot systems, offers training and a sustainable support concept.

SaaS Software as a Service (ACUDA\*)

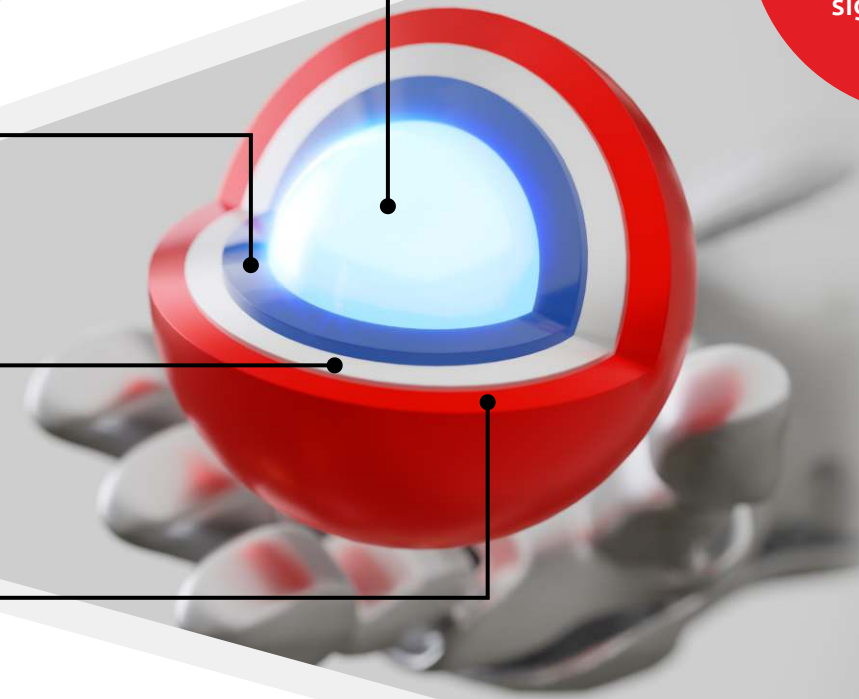
RaaS Robots as a Service

Security Robotics Academy

Sustainable support concept

Autonomous  
and intelligent

Higher  
performance and  
significant cost  
savings



\* ACUDA: A utonomous C enter of U nified D igital A cteurs

# Security Robotics Services

## Software-as-a-Service SaaS (ACUDA)

AI-supported software platform

We develop platform solutions: open, modular, scalable, cascable.



## Robots-as-a-Service RaaS

Added value through integral networking of intelligent robot systems.



## Security Robotics Academy

Training on the topics of digitalisation, AI development and robotics.



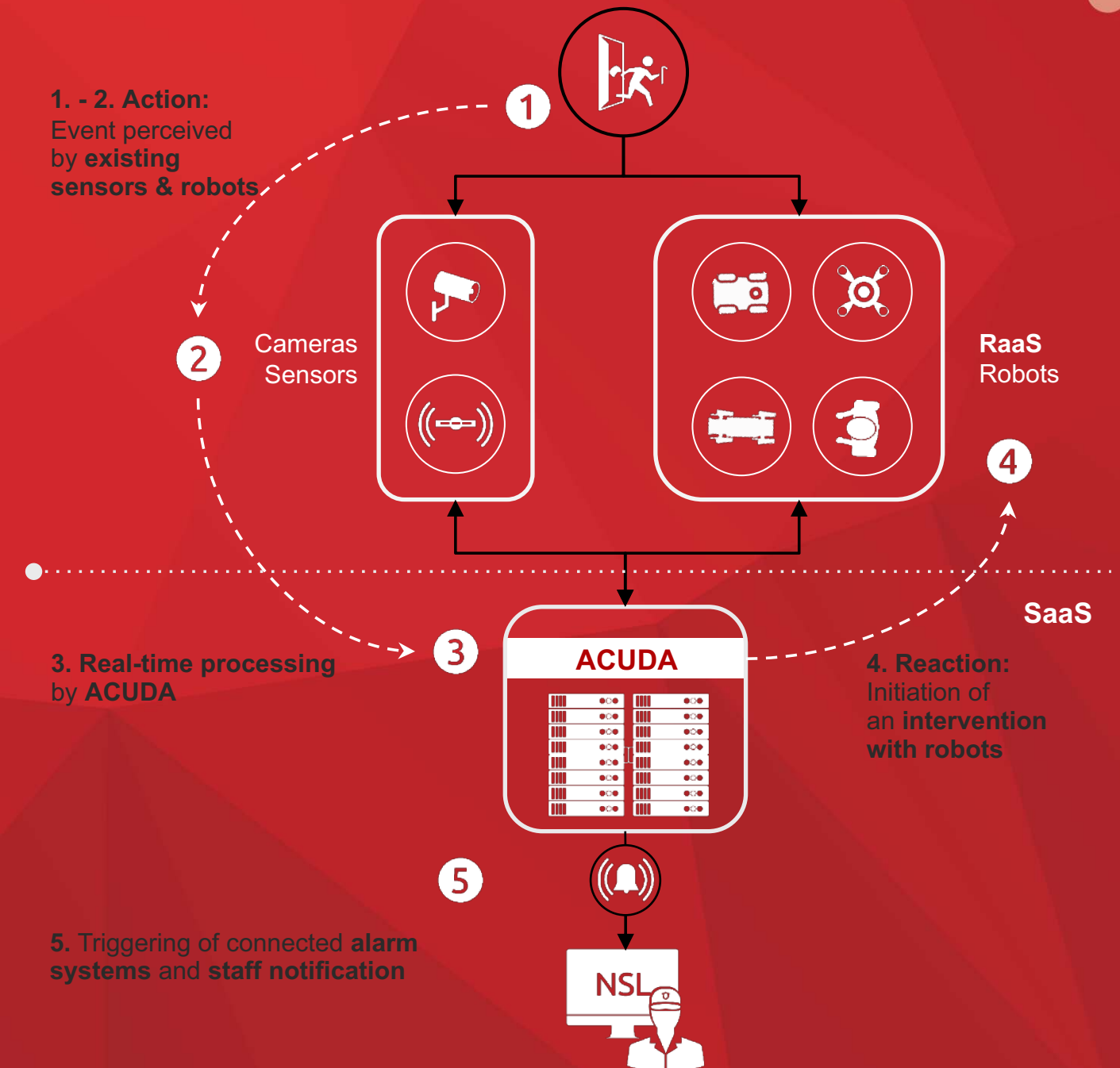
## Support und Service

Remote services, 24/7 support, maintenance/ update, on-site services, training.



# Software-as-a-Service SaaS (ACUDA)

The AI-supported software platform processes and controls information from any number of actors (cameras, sensors, robots, etc.). The entire security infrastructure on site is networked into an integrated system.





# Robots-as-a-Service (RaaS)

Security Robotics offers integrated robot-based security and service solutions for security service providers and end customers from industry, transport, trade and the public sector and relies on modern networking & data transmission and self-learning robots.

Persistent solution to intelligently monitor large areas.

Autonomous and reliable.

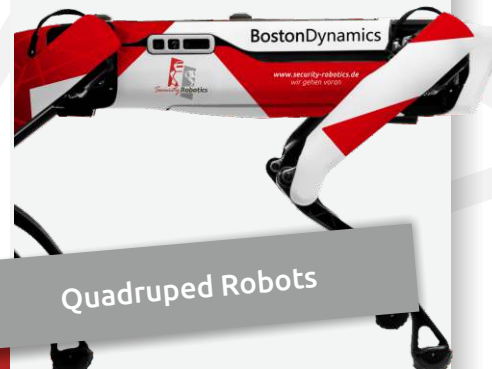


Wheel-driven Robots



Highest precision during inspection rounds in the

- Security guard,
- measurements on installations
- and access controls.



Quadruped Robots



**The robots** are used for security guarding, plant inspection, emergency response and measurement as well as reception services. Security Robotics focuses on a flexible **Robot-as-a-Service** (RaaS) model and provides customers with state-of-the-art robot technology on a lease and purchase basis.

Sophisticated technology for

- autonomous flights and
- high-quality live Video recordings.

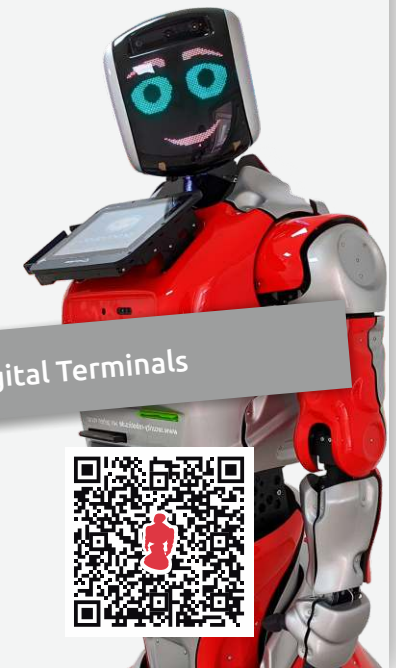


Drones

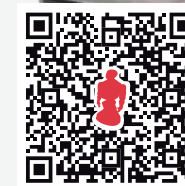


Sympathetic, articulate and autonomous.

For check-in, ID verification and access management.



Digital Terminals



# SPOT - resilient, versatile, networked

All-terrain  
and for small to medium-sized areas

## The capabilities of SPOT

SPOT is resilient and versatile - from guarding and building inspection to surveying facilities and objects.

SPOT has already proven its ability and reliability in the contaminated Chernobyl hazard zone and on various oil platforms.

The robot can go up and down kerbs and steps, as well as walk forwards, backwards and sideways. It moves safely on almost any terrain, whether asphalt, metal, gravel or grass.

The four-legged robot feels particularly at home where it is dangerous for humans. Radiation or gases cannot harm it. And on its way, it can even transport up to 14 kilograms of weight.

### 360° all-round camera & LIDAR light detection system

The high resolution 360° all-round camera and the LIDAR light detection system make SPOT a precision robot. People and objects are recognised, instruments are read precisely and the space is measured with millimetre accuracy.

### Learns in milliseconds

Dynamic algorithms help the robot to find its own way out of any situation. If the control centre gives the all-clear for a certain object, the robot will no longer sound the alarm at this location in the future.

# Beehive - the drone system for the best overview

Terrain-independent  
For medium to large areas

## The capabilities of the drone

- Is on site as quick as an arrow reduziert
- Reduces false alarms thanks to artificial intelligence
- Secures evidence via video recording
- High-precision GPS/GNSS navigation systems with RTK
- Airspeed 4m/s
- Picture resolution 1920 x 1080 Full HD
- Reports reliably to the connected control centre

### Surveillance from the air

is one of the most effective protection methods available. Frequent and unpredictable air patrols detect and report intruders or incidents reliably and quickly - and secure evidence at the same time thanks to intelligent video analysis.

### As an alarm check

the use of the drone is popular. For example, if a fence sensor reports movement, a drone can be automatically sent to the alarm location and provide clarity via live video.





# ARGUS - wheel-driven robot autonom und ausdauernd

Terrain-independent and autonomous  
for large to wide-ranging areas

## The skills of the wheel-driven robot

- Patrols fully autonomously around the clock along defined routes
- Detects faces up to 60 metres (camera at eye level) thanks to intelligent video surveillance

- Works alone or in a team with other robots
- 360-degree video surveillance in panoramic view even over obstacles
- Scans the surroundings even in the dark using infrared and thermal imaging cameras
- Transmits ONVIF videos and reports over 4G or WLAN networks
- Is suitable for off-road use and can be used from -25 °C to 45 °C
- Reports reliably to the connected control centre

### Your team on patrol:

The wheel-operated robots are the enduring solution to intelligently monitor areas - around the clock. These robots can also cover long distances, can load themselves independently at stations and make their rounds reliably.

### Even in the dark

Thanks to infrared and thermal imaging cameras, they detect and reliably report any abnormalities. The robot goes on autonomous patrol, gladly also in the team thanks to AI algorithms and Big Data analysis.



# Promobot - friendly terminal with added value

digital, autonomous,  
intelligent

## The skills of the digital reception service

- Responds to address and communicates with your visitors in many languages
- Recognises faces and reacts to touch
- Comes with built-in touch display
- Moves autonomously on request
- Issues admission tickets, coupons and access cards serves as a payment terminal
- Finds the way to the charging station automatically

### The first impression counts

With the digital reception service from Security Robotics, you offer your guests a competent first contact and guide. The friendly robot receives visitors at eye level, covers distances autonomously and has the latest technology on board. In addition, it reacts to movements and makes for a pleasant visitor experience.

Thanks to the integrated printer, it produces visitor passes and ID cards.

### The most spoken languages

of the world are on board of the digital reception service. It helps you with automated access management for buildings, ensures a sympathetic check-in, the ID verification of visitors on site or as a signpost with eye-catching character.



# Academy

"We ensure the understanding of safety & service concepts!"

As an innovation driver and knowledge carrier, we provide decisive impetus in consulting and training on the topics of security and robotics. Our training courses are conducted by experienced developers who come from the field and share their first-hand knowledge.

**Currently, 3 training levels are offered, which can be completed individually or consecutively.**

## Level 1:

Certified Consultant for Robotics & IoT Solutions

Current market situation, technically already feasible and future developments, use of robotics, human-robot-working, etc..

Advantages of robots and new technologies compared to previous solutions and partly purely human-based safety, maintenance & service concepts Functions, technical limits/possibilities, medium and long-term development potential and range of application scenarios for customer use of robotic platforms.

Conveying arguments to partners, service providers and customers within the framework of an advisory role or as a technically competent contact person for robot-supported Security, Maintenance & Service Solutions of these Groups.

## Level 2:

Certified User for Robotics & IoT Solutions

The participant gains an understanding of the new colleague robot and is enabled to monitor and ensure the operation of software and hardware solutions under expected operating conditions. In the event of an alarm or if necessary, he can take over the control of the system himself. He can independently recognise, evaluate and solve simple incidents and unproblematic obstacles without having to call in a service team from Security Robots.

We provide the participants with the necessary basic theoretical knowledge and conduct practical workshops for each robot model.

## Level 3:

Certified Integrator for Robotics & IoT Solutions

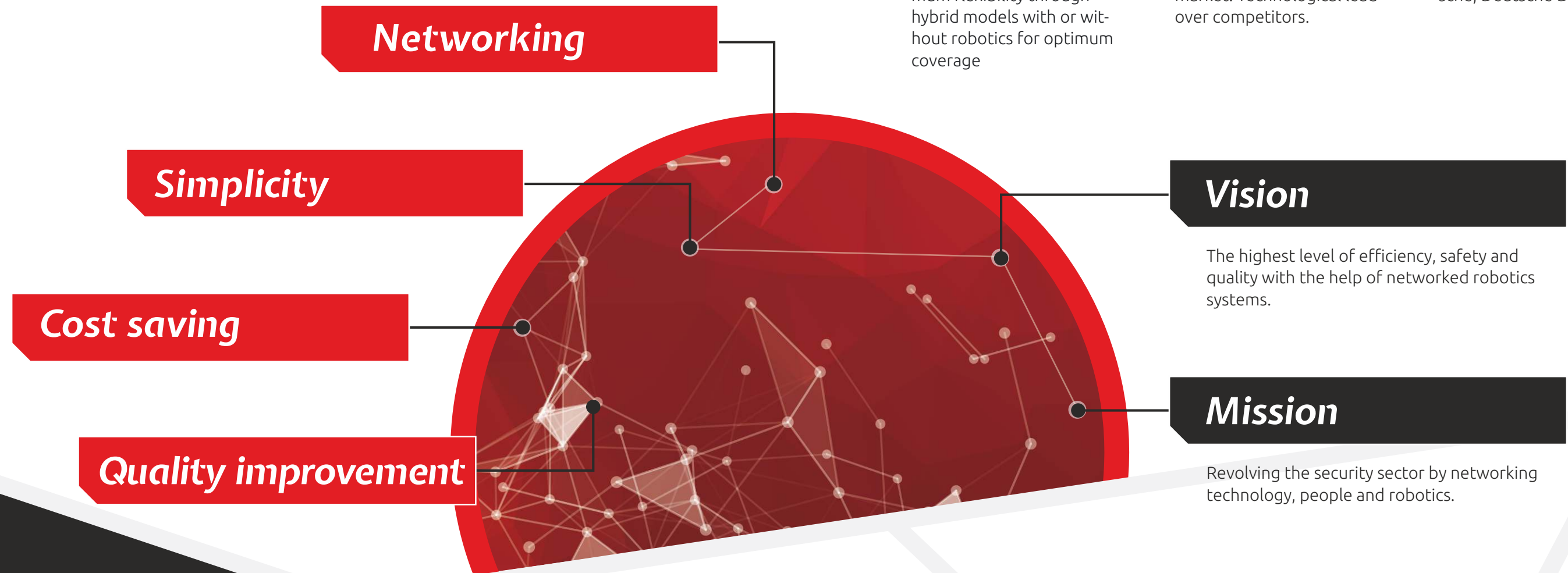
We provide you with the technical knowledge on the topics of robotics and IoT solutions so that you can help shape modern safety and service concepts as a competent and well-trained expert in the future. Gain practical experience to be able to deal with robotic systems in everyday life.





# Security Robotics Advantages

Permanently higher performance through the use of AI and robotics with significantly reduced costs compared to the use of human resources.





**We lead the way**

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