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# Security goes green

## Robot-assisted security solutions

Intelligent robot systems make security and property protection energy-efficient and sustainable.

### Energy-efficient security and property protection

Intelligent robotic systems in security mean not only a gain in reliability and efficiency for the customer, but also tangible energy savings and thus more sustainability. Robot-assisted security solutions enable full monitoring with low energy consumption at the same time.

Labour-intensive activities such as manned patrols and inspections can be taken over by networked patrol robots, walking robots or surveillance drones, which work highly efficiently and error-free, using only a fraction of the energy. Thanks to lightweight construction, economical drive and control technology, modern robots are also no longer power guzzlers.

Moreover, robots need neither heated rooms, floodlights nor large vehicles to do their work. The robot always remains on site, and when it is not in use, it does not consume any energy. Security guards, inspectors and receptionists, on the other hand, have to commute to and from work every day, which is extremely energy-consuming.



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## Anticipatory environmental protection

Robots have a wide range of measurement and detection capabilities and can detect hazards to people and the environment in advance. For example, in industrial plants there are many different environmental changes that can indicate potential safety problems, such as leaking water, gas leaks, open doors and much more. Permanently installed sensors are usually limited to monitoring only one factor, while networked robot systems keep an eye on all important sources of faults and report the measurement data to the control centre in real time. This further reduces the probability of malfunctions and environmentally harmful events.

## Error prevention saves resources

It has been proven that the error rate with robot-assisted monitoring solutions is zero. This eliminates the need for time-consuming and cost-intensive follow-up work and corrective measures. This is not just a matter of replacing people with machines. Rather, it is about smart safety concepts consisting of qualified staff, modern technology and individual advice. The approach follows the motto that everyone does what they do best. Networked robots can monitor and measure more precisely and efficiently. Qualified guards, on the other hand, can better assess situations and people and thus make balanced decisions.

## Economic-cultural role model

The use of intelligent robot technology also has a guiding function in terms of economic culture. Those who rely early and successfully on collaborative robots and integrated security solutions become pioneers and role models for other companies. The more companies implement the digital transformation in security, the greater the contribution to an emission-free, climate-friendly economy will be.

The Berlin-based company Security Solutions Development & Solutions GmbH has dedicated itself to the consistent development of innovative climate-friendly security solutions. From the all-terrain robot to the charming reception robot to the surveillance drone, there is a suitable solution for all areas of application. Security Robotics helps customers from industry, trade and the public sector to develop a robust and energy-efficient overall system.

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